

Kevin A. Sheppard, P.E.
Public Works Director

Timothy J. Clougherty
Deputy Public Works Director



Commission
William A. Varkas
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Robert R. Rivard

CITY OF MANCHESTER
Highway Department

January 23, 2009

To Whom It May Concern:

This report was commissioned for both the Highway Operations and the Manchester Transit Authority(MTA).

Any references to MTA personnel, or the MTA site are not pertinent and are not in any way part of the intended project. Some of this material has been removed.

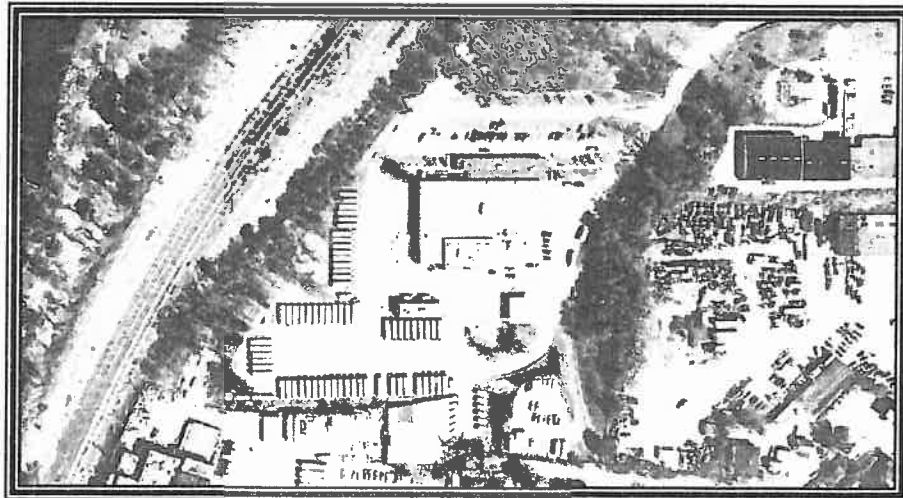
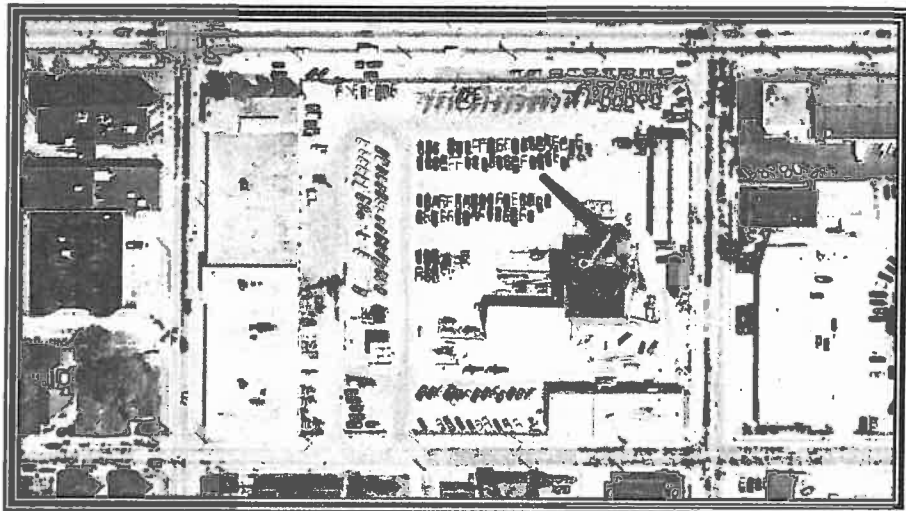
Sincerely,

Timothy J. Clougherty
Deputy Public Works Director

City of Manchester, New Hampshire

Needs Assessment – Manchester Department of Highways & Manchester Transit Authority

March 26, 2004



Report



The Atrium, 1001 Elm Street
Manchester, New Hampshire 03101
tel: 603-222-8300
fax: 603-645-6891

March 26, 2004

Mr. Frank Thomas, P.E.
Public Works Director
Manchester Department of Highways
227 Maple Street
Manchester, New Hampshire 03103

Subject: Needs Assessment
Manchester Department of Highways & Manchester Transit Authority

Dear Mr. Thomas:

In fulfillment of our agreement, dated March 4, 2004, Camp Dresser & McKee Inc. (CDM) is pleased to present this Needs Assessment for the Manchester Department of Highways (MHD) and the Manchester Transit Authority (MTA).

Background and Purpose

MHD and MTA currently operate separate maintenance facilities at 227 Maple Street and 110 Elm Street, respectively. The property adjacent to MTA, the former Jac-Pac facility, is being considered for redevelopment. The developer has expressed interest in knowing if the MTA parcel could also be utilized for development. Further, MHD has considered the need for additional space for its own maintenance activities in the past.

This needs assessment considers two alternatives for a new Public Works Facility:

- Alternative 1 -- Consolidation of the Manchester Department of Highways (including the Public Works Division and Building Maintenance Division), the Manchester Traffic Department, and the Manchester Transit Authority.
- Alternative 2 -- Same as above, except the Manchester Transit Authority would not be included.

This assessment is preliminary in nature, and is intended primarily to define the general site area requirements, and the general building size, for both alternatives. A general cost range for new facilities is provided. It is not intended to include building and room programming, or site layout, at this time. This work would be needed at a future date, once a site is selected for detailed consideration. Cost estimates would also be refined at that time.



Mr. Frank Thomas, P.E.

March 26, 2004

Page 2

Existing Facilities

The existing Public Works Facility complex at 227 Maple Street is shown on Figure 1. The rectangular parcel has an area of 5.3 acres, and is surrounded by Maple, Hayward, and Lincoln Streets, and the railroad easement adjacent to Valley Street.

The major buildings on the site are as follows:

- Department of Highways offices and maintenance facility
- Traffic Department
- Former incinerator and boiler room
- Salt shed
- Carpenter shop

The existing Building Maintenance Division facility at 275 Clay Street is shown on Figure 2. The parcel is irregular in shape and has an area of 0.77 acres, which includes the building, parking lot and driveway.

The existing Manchester Transit Authority complex is shown on Figure 3. It is addressed at 110 Elm Street, and accessed via Gas Street. The parcel is irregular in shape and has an area of just over eight acres. The former Jac-Pac facility is located immediately southwest. The main MTA building includes both office and maintenance facilities. A small separate building houses the bus wash facility.

Site Visits and Personnel Interviews

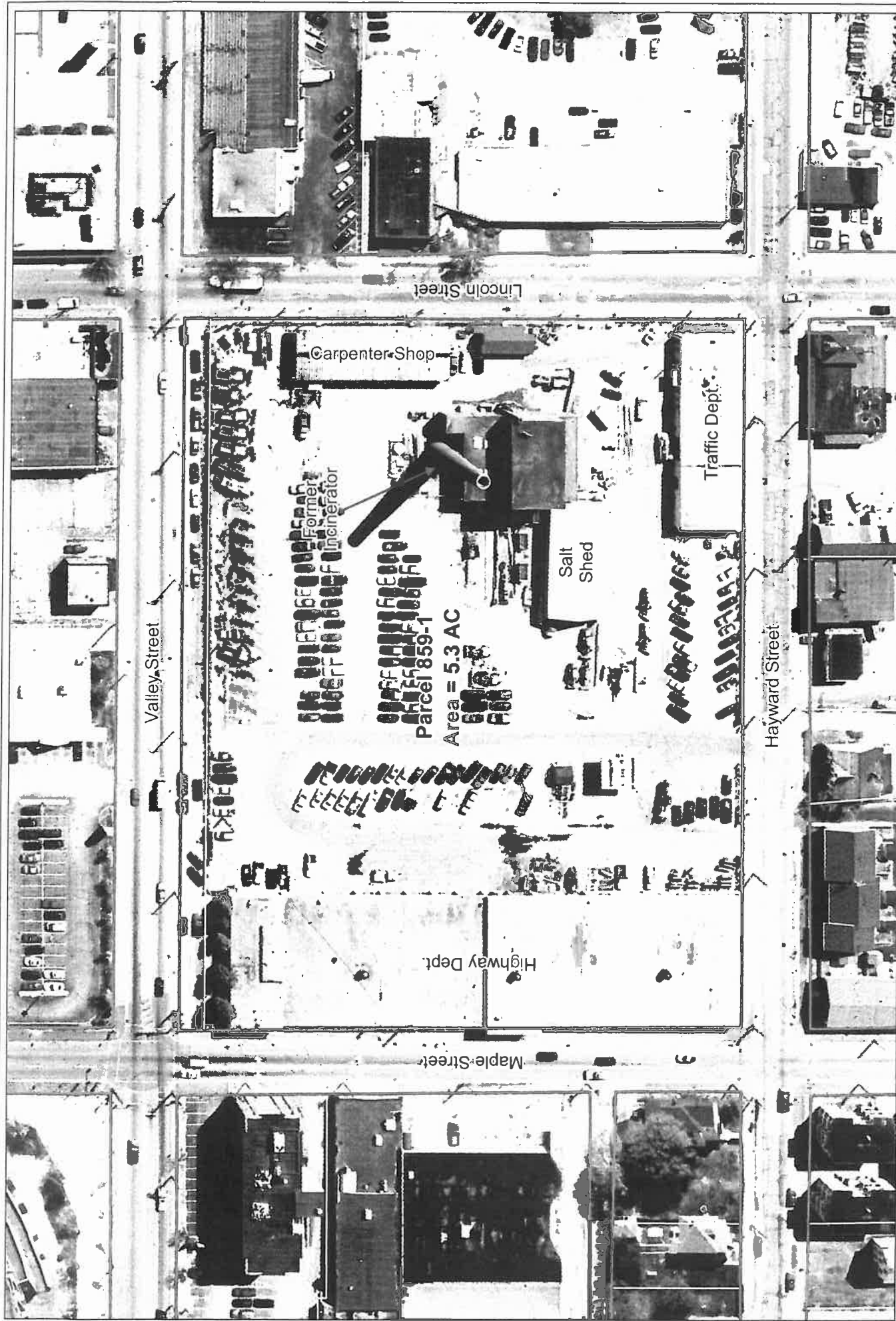
Site visits and personnel interviews took place on February 25, 2004, supplemented by a visit to the Traffic Department on March 17, 2004. Jeff Diercks (project manager) and Nick Safina (project architect) represented CDM.

Department of Public Works

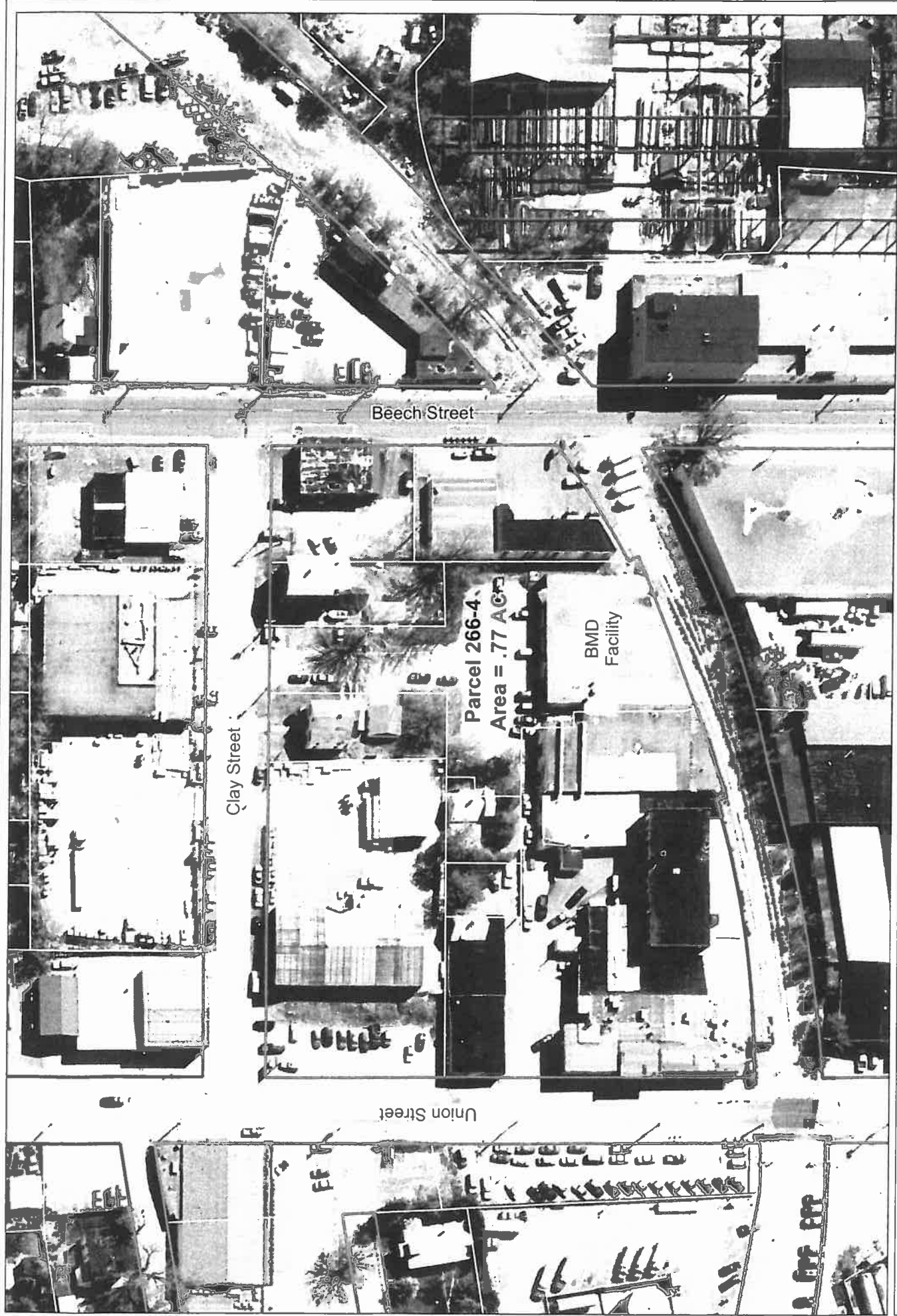
At the Highway Department office, CDM met with the following officials:

- Frank Thomas (Public Works Director)
- Stephen Tierney (Chief of Operations)
- Bruce Thomas (Engineering Manager)
- Kevin Padden (Equipment Maintenance Superintendent)
- Bob Roy (Assistant Chief of Operations)

City officials discussed the limitations and conditions of the existing facility, and provided a tour of the complex to CDM. The following documents were provided to CDM by the City:



City of Manchester, NH
Department of Public Works Facility
227 Maple Street
Figure No. 1



City of Manchester, NH
Building Maintenance Division
275 Clay Street
Figure No. 2

Mr. Frank Thomas, P.E.

March 26, 2004

Page 6

- Three large plans of the complex.
- Small plans (1 in = 10 ft) showing layout of first floor and second floor of Highway Department.
- Diskette with Excel spreadsheet of the City fleet (appended).
- Excel spreadsheet of head count and office count for Department of Highways, Traffic Department, and Building Maintenance Division (appended).
- Needs list, which is included herein as Table 1.

Among the key points discussed in the interview were the following:

- The limited parking for City workers' vehicles is a serious problem at the current site. Officials estimate the total needed parking spaces to be 220, including the Building Maintenance Division.
- Lack of space for salt and sand storage is another key issue. The current complex has space for about 2,500 tons of salt and a comparable amount of sand. A 1,200-ton salt reserve is kept at the City landfill. During multiple-day storms, the City can run out of sand or salt. The salt vendors do not deliver during major storms, so maintaining sufficient salt supply for multiple-day storms is essential.



Salt and sand storage



One of several document storage areas

- There is insufficient space for inside vehicle storage, as less than half of the equipment can be kept inside. This is especially a problem for salting equipment. Leaving such vehicles outside creates materials handling problems, as the sand/salt mixture in the trucks hardens if not kept dry.
 - The Engineering Division has inadequate facilities for storage of plans, which are kept in many places. A fireproof vault for centralized plan storage, with scanning equipment, is needed.
- There are no pull-through bays for vehicle storage or maintenance.



Mr. Frank Thomas, P.E.

March 10, 2004

Page 7

Qty	Station/Room Necessities
2	Stockrooms (1 for parts, 1 for supplies)
10	Workstations with lifts and chain falls
2	Grease Areas
2	Welding Stalls
1	Tire area and stall
2	Stalls for Plow Work, & Storage for Plow Blades and other Plow Equipment
2	Wash Areas (1 for cleaning trucks, 1 for washing with containment pit for sludge)
1	Paint Shop Area
110	Inside undercover spots for equipment
1	Tool Crib Room/Engine Room
30	Plow Trucks with Salters
24	1 Ton and ½ ton Trucks with Salters
14	Refuse Packers
9	Loaders with Plow set-ups
8	Sidewalk Tractors
6	Small Rollers
2	Large Rollers
2	Vactors (Catch Basin Cleaners)
5	Sweepers
1	Paver
2	Back Hoes
4	Patching Trucks (crew cabs)
1	Dozer
2	Cranes
34	Storage area in summer undercover for all salters (also could be used in winter for construction equipment storage). Also have lifting services for Salters.
1	Carpenter shop
4	Graders (2 inside, 2 outside)
2	Lunch Rooms (1 mechanic, 1 field force)
1	Shower Room with locker room area
1	Dispatcher Office/Operations Area
1	Salt and Sand Storage
1	Storage area for Toters, Construction Signs, Snow Removal Signs

Table 1
Needs List from Department of
Highways for Maintenance Complex



Mr. Frank Thomas, P.E.
March 26, 2004
Page 8

CDM also was provided a tour of the Traffic Department facility courtesy of Mr. Tom Lolicata, Director, and Mr. Bruce Thomas, Engineering Manager. The tour included the administrative area, maintenance area, basement area (lab, storage, parking meter area), and outside storage area. Information in our draft report was updated following this visit.

Manchester Transit Authority

At the Manchester Transit Authority, CDM met with Mr. David Smith, Executive Director, and Mr. Robert Jeniski, Jr., Assistant Director. Mr. Smith and Mr. Jeniski reviewed the facility and its operations, and provided a tour to CDM. They furnished the following documents:

- Excerpts of design plans of the facilities.
- Organizational chart for Authority personnel, with description of office space needs (appended).

MTA officials described the general use of the facility, including both the public transportation usage and the school bus usage. They noted that the original 1975 building was expanded subsequently, to create additional administrative office and training space.

They explained that Manchester is one of the very few locations in the nation where a certain level of cooperative usage between public transportation and school busing is allowed, because of limitations placed by federal funding regulations. Normally, school bus storage and maintenance cannot occur on a location purchased or constructed with federal funding.

The current location is ideally located near the center of the service area, within ten minutes to the start of the bus routes.

The main building has interior space for 35 City buses in a pull-through layout. The current fleet is 20 buses, so other equipment is also stored inside. There are five bays for bus maintenance, plus a paint booth. School buses are not stored inside because of the federal funding limitations; all 81 buses are kept outside on the grounds. The parking lot is fully utilized with school bus storage and employee parking (including school bus drivers). The parking lot is also used for school bus driver training throughout the school year.



Maintenance bays

The bus wash station was federally funded and thus is used only for City buses. City buses are washed almost daily. School buses are washed manually, much less frequently. MTA's refueling station is used not only by City buses and school buses, but also by the Police and



Mr. Frank Thomas, P.E.
March 26, 2004
Page 9

Fire Departments. Five mechanics employed here also maintain vehicles of several other City departments.

MTA officials indicated a desire for additional lockers, women's rest room and showers, conference room space, and document storage space if the MTA facilities were to be consolidated elsewhere. MTA officials do not see a need for expanded maintenance facilities or grounds, unless the school bus fleet increases. Additional parking lot area would be needed in this event. Otherwise, the overall size of the existing building and grounds is satisfactory for the current and projected needs.



Bus wash building and school bus lot

Building Maintenance Division

The purpose and nature of this facility was described to CDM during the interview with Department of Highways personnel. CDM did not tour the inside of the facility, but did view the parcel and the building exterior.

Space Analysis

Based on the information provided to CDM, the needs assessment for the administrative portions of a new building is shown in Table 2. For this table, CDM has presented the MHD and MTA portions separately, then summed those values to arrive at a combined value assuming the facilities are consolidated. Possible space savings from consolidation, and other issues, are noted below.

The needs assessment for the shops and storage portions of the building is shown in Table 3.

The needs assessment for the vehicle and mobile equipment storage portions of the building is shown in Table 4. As this report was going to press, CDM learned that the City is purchasing a 32-foot-long snowmeltling truck, which will require an additional bay for inside storage. This vehicle should be included in the future, when detailed space programming is performed after site selection.

The needs assessment for the yard storage is shown in Table 5.

Building Space Requirements - Administrative

<i>Division</i>	<i>Administration</i>	<i>Highway</i>	<i>Engineering</i>	<i>BMD</i>	<i>Traffic</i>	<i>MTA</i>
Offices						
Executive / Deputy Director	240					240
Director	200				160	
Assistant Director					160	160
Admin Assistant					140	140
Business Service Officer	160					
Business Service Officer	160					
Operations Planning Manager						160
Purchasing Agent	140					
Administrative Manager	100					160
Civil Engineer I			140			
Civil Engineer II			140			
Public Utilities Coordinator			160			
Inspector's Office (5)			320			
<i>Above shared by Civil Eng II, Utility Inspectors I, II & II and Waste water Treatment Inps.</i>						
Chief of Survey			140			
Civil Engineer III			140			
Engineering Manager			160			
Office				140		
Office				140		
Office				140		
Recycling Coordinator		140				
Dispatcher / EOP III Loader (4)		320				
Superintendent Office 1 (2)		200				
<i>Above shared by Assistant Chief of Operations, Chief of Street Operations</i>						
Superintendent Office 2 (4)		320				
<i>Above shared by Hwy Field Supervisor, Sewer Super, Solid Waste Super, Hwy Super III, Chief, Assist. Chief</i>						
Dispatcher (2-4)						240
Trainer/Safety Supervisor						140

Table 2
Building Space Requirements - Administrative

<i>Division</i>	<i>Administration</i>	<i>Highway</i>	<i>Engineering</i>	<i>BMD</i>	<i>Traffic</i>	<i>MTA</i>
Semi-Enclosed Work Stations						
Accountant	80					
Accountant II	80					
Accounting Secretary						80
Accounting Specialist	80					
Transportation Secretary						80
Maintenance Secretary						80
Highway Support Specialist	80					
Timekeeper	80					
Timekeeper	80					
Front Desk Clerk			100			
Engineering Technician II			100			
Engineering Technician II			100			
Engineering Technician II			100			
Individual				80		
Individual				80		
Individual				80		
Individual				80		
Shared (4 employees)				80		
Shared (3 employees)				80		
Sign Painter					80	
Open Work Stations						
Front Desk Clerk	80				80	
Other Spaces						
Reception Area	200					150
Conference Room - Small	150	150	150	150	150	150
Conference Room - Large	300					225
Training Room	300					300
CAD/ Printer/Fax/ Copy	80		200	80		80
Records Storage	100	100	100	100	100	100
Archive Vault			800			
General Office Storage	100	100	100	80	100	100
Locker Room						260
Toilet Rooms	400		180			300
Lunch/Break/Waiting	300	300			200	750
Subtotal Net Area Required (nsf)	3,490	1,630	3,130	1,310	1,170	3,895

Total Net Area Required by all Departments 14,625

20% Grossing Factor 2,925

Gross Area Required for Combined Administrative Needs (gsf) 17,550

Table 2
Building Space Requirements - Administrative

Building Space Requirements - Shops and Storage

<i>Division</i>	<i>Highway, BMD, Traffic, Garage</i>	<i>Manchester Transit Authority</i>
Offices		
Equipment Maintenance Super II	150	120
Shop Manager	150	120
Storage		
Parts Storage	1,000	700
Supply Storage	800	90
Tool Storage Crib - Secured	300	
Tool Storage - Unsecured	300	
Tire Shop / Storage	800	360
Lubricant / Fluids Storage	250	200
Janitor's Storage	150	100
Plow Storage	3,500	
Flammables / Paint (non-traffic)	300	
Paint Storage (Traffic Dept)	1,000	
Signal Storage (Traffic Dept)	3,000	
Money Sorting/counting (Traffic)	300	
Sign/Material Storage (Traffic)	1,000	
General Material Storage (Traffic)	1,000	
Barricade Storage	800	
Carpentry Materials	800	
Shops and Workstations		
Machine Shop	500	
Painting Bay w/ support areas	1,200	1,200
Carpentry Shop	1,000	
Welding Bays	800	
Signage Shop (Traffic)	1,000	
Signal Testing (Traffic)	700	
Equipment Support Areas		
Compressor Room	100	100
Employee Support Areas		
Lockers / Showers	600	250
Toilet	400	200
Lunch/Break/Waiting	500	240
Vehicle Maintenance Bays		
Bus w/Lift (5)		4,500
Large Vehicle		
w/Lift & Chain Falls (10)	8,000	
Plow Maintenance	1,600	
Wash Bays (2)	1,600	
Cars / Fleet Other	1,000	1,000
Grease Stalls w/pit (2)	1,600	
Subtotal Net Area Required (nsf)	36,200	9,180

Total Net Area Required by all Departments 45,380

20% Grossing Factor 9,076

Gross Area Required for Combined Shops and Storage Needs (gsf)	54,456
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Building Space Requirements - Shops and Storage

<i>Division</i>	<i>Highway, BMD, Traffic, Garage</i>	<i>Manchester Transit Authority</i>
Offices		
Equipment Maintenance Super II	150	120
Shop Manager	150	120
Storage		
Parts Storage	1,000	700
Supply Storage	800	90
Tool Storage Crib - Secured	300	
Tool Storage - Unsecured	300	
Tire Shop / Storage	800	360
Lubricant / Fluids Storage	250	200
Janitor's Storage	150	100
Plow Storage	3,500	
Flammables / Paint (non-traffic)	300	
Paint Storage (Traffic Dept)	1,000	
Signal Storage (Traffic Dept)	3,000	
Money Sorting/counting (Traffic)	300	
Sign/Material Storage (Traffic)	1,000	
General Material Storage (Traffic)	1,000	
Barricade Storage	800	
Carpentry Materials	800	
Shops and Workstations		
Machine Shop	500	
Painting Bay w/ support areas	1,200	1,200
Carpentry Shop	1,000	
Welding Bays	800	
Signage Shop (Traffic)	1,000	
Signal Testing (Traffic)	700	
Equipment Support Areas		
Compressor Room	100	100
Employee Support Areas		
Lockers / Showers	600	250
Toilet	400	200
Lunch/Break/Waiting	500	240
Vehicle Maintenance Bays		
Bus w/Lift (5)		4,500
Large Vehicle		
w/Lift & Chain Falls (10)	8,000	
Plow Maintenance	1,600	
Wash Bays (2)	1,600	
Cars / Fleet Other	1,000	1,000
Grease Stalls w/pit (2)	1,600	
Subtotal Net Area Required (nsf)	36,200	9,180
Total Net Area Required by all Departments		45,380
20% Grossing Factor		9,076
Gross Area Required for Combined Shops and Storage Needs (gsf)		54,456

Division and Reference No.	Vehicle Description	Size			Area (SF) w/ 4 ft aisle
		L	W	H	
T89	DOZER	27.0	9.0	est.	351
527	PACKER -- FORD	29.0	8.0	11.0	348
528	PACKER -- FORD	29.0	8.0	11.0	348
530	PACKER -- FORD	29.0	8.0	11.0	348
531	PACKER -- FORD	29.0	8.0	11.0	348
532	PACKER -- FORD	29.0	8.0	11.0	348
533	PACKER -- FORD	29.0	8.0	11.0	348
587	REFUSE PACKER	29.0	8.0	11.0	348
588	REFUSE PACKER	29.0	8.0	11.0	348
589	REFUSE PACKER	29.0	8.0	11.0	348
597	REFUSE - PACKER	29.0	8.0	11.0	348
600	REFUSE PACKER	29.0	8.0	11.0	348
601	REFUSE PACKER	29.0	8.0	11.0	348
602	REFUSE PACKER	29.0	8.0	11.0	348
S24	SWEEPER -- JOHNSTON	14.0	10.0		196
S25	SWEEPER -- JOHNSTON	14.0	10.0		196
S26	SWEEPER -- JOHNSTON	14.0	10.0		196
S27	SWEEPER -- JOHNSTON	14.0	10.0		196
S28	SWEEPER	14.0	10.0		196
T63	BOMBARDIER	10.0	6.0	est.	100
T79	BOMBARDIER	10.0	6.0	est.	100
T80	BOMBARDIER	10.0	6.0	est.	100
T81	BOMBARDIER	10.0	6.0	est.	100
484	PICK UP TRUCK -- CHEVY	19.0	6.5	est.	200
485	PICK UP TRUCK -- CHEVY	19.0	6.5	est.	200
515	PICK UP TRUCK -- GMC	22.0	7.0	est.	242
525	PICK UP TRUCK -- FORD	19.0	6.7	est.	203
550	PICK UP TRUCK -- FORD	19.0	6.5	est.	200
548	PICK UP TRUCK -- FORD	19.0	6.5	est.	200
522	PICK UP TRUCK -- FORD	19.0	6.5	est.	200
526	PICK UP TRUCK -- FORD	19.0	6.5	est.	200
561	PICK UP TRUCK -- FORD	19.0	6.5	est.	200
564	PICK UP TRUCK -- FORD	19.0	6.5	est.	200
566	PICK UP TRUCK -- FORD	19.0	6.5	est.	200
565	PICK UP TRUCK -- FORD	19.0	6.5	est.	200
584	PICK UP	19.0	6.5	est.	200
592	F-250 4X4	19.0	6.7	6.5	203
594	FORD F-250 CREW CAB	20.0	8.0	6.5	240
593	2DR. PICK UP 2 WHEEL DR.	19.0	6.7	est.	203
569	3 TON CREW CAB	20.0	8.0	6.5	240
570	3 TON CREW CAB	20.0	8.0	6.5	240
576	3 TON CREW CAB	20.0	8.0	6.5	240
577	3 TON CREW CAB	20.0	8.0	6.5	240
572	1 TON DUMP W/ PLOW	26.0	8.0	est.	312
573	1 TON DUMP W/ PLOW	26.0	8.0	est.	312
545	TRUCK 1TN -- GMC	22.0	7.0	est.	242
450	TRUCK 3TN -- INT'L	26.0	8.0	est.	312
451	TRUCK 3TN -- INT'L	26.0	8.0	est.	312
452	TRUCK 5TN -- INT'L	26.0	8.0	est.	312
453	TRUCK 5TN -- INT'L	26.0	8.0	est.	312
459	TRUCK 5TN -- INT'L	26.0	8.0	est.	312
460	TRUCK 5TN -- INT'L	26.0	8.0	est.	312
483	TRUCK 5TN -- FORD	26.0	8.0	est.	312
535	TRUCK 5TN -- INT'L	26.0	8.0	est.	312
536	TRUCK 5TN -- INT'L	26.0	8.0	est.	312
537	TRUCK 5TN -- INT'L	26.0	8.0	est.	312
538	TRUCK 5TN -- INT'L	26.0	8.0	est.	312
539	TRUCK 5TN -- INT'L	26.0	8.0	est.	312
540	TRUCK 5TN -- INT'L	26.0	8.0	est.	312
541	TRUCK 5TN -- INT'L	26.0	8.0	est.	312
543	TRUCK 5TN -- INT'L	26.0	8.0	est.	312
542	TRUCK 5TN -- INT'L	26.0	8.0	est.	312
544	TRUCK 5TN -- INT'L	26.0	8.0	est.	312
582	5TN INT'L DUMP TRUCK	26.0	8.0	est.	312
583	5TN INT'L DUMP TRUCK	26.0	8.0	est.	312
586	4900 4X2 DUMP	26.0	9.0	est.	338
595	6WHL SALTER PLOW WING	28.0	12.0	est.	448
596	4X2 DP SALTER PLOW WING	28.0	12.0	est.	448

Table 4

Building Space Requirements - Vehicle and Mobile Equipment Storage

Division and Reference No.	Vehicle Description	Size			Area (SF) w/ 4 ft aisle
		L	W	H	
603	6 WHEELER	26.0	8.0	est.	312
604	6 WHEELER	26.0	8.0	est.	312
480	TRUCK 10WHL -- MACK	28.0	8.0	est.	336
481	TRUCK 10WHL -- MACK	28.0	8.0	est.	336
482	TRUCK 10WHL -- MACK	28.0	8.0	est.	336
580	10 WHEELER	28.0	8.0	est.	336
549	WATER TANKER -- INT'L	28.0	8.0	est.	336
521	EDUCTOR SEWER TRK -- FORD	35.0	8.5	est.	438
567	EDUCTOR SEWER TK -- FORD	35.0	8.5	est.	438
493	SPORTS VAN	18.0	6.0	est.	180
494	SPORTS VAN	18.0	6.0	est.	180
579	BLAZER 4X4	16.0	6.0	6.0	160
562	BLAZER G00340	16.0	6.0	6.0	160
563	PASSENGER CAR -- WM	18.0	6.0	est.	180
571	98 TAURUS FCT	16.5	6.0	4.5	165
574	CHEVOLET	16.5	6.0	est.	165
575	CHEVOLET 4DR. SEDAN	17.0	6.0	est.	170
585	TAURUS 4DR. SEDAN	16.5	6.0	4.5	165
590	4DR. SEDAN	16.5	6.0	est.	165
591	4DR. SEDAN	16.5	6.0	est.	165
598	FORD CROWN VICTORIA	18.0	6.5	4.8	189
599	FORD CROWN VICTORIA	18.0	6.5	4.8	189
ASCRB ?????	ASPHALT CURB MACHINE	6.0	6.0	est.	60
PAV6	ASPHALT PAVER	22.0	8.0	est.	264
TAP	TAP MACHINE	10.0	6.0	est.	100
568	CRANE TRUCK	25.0	10.0	est.	350
578	4 WHEEL UTILITY	10.0	6.0	est.	100
800	MOBARK TUB GRINDER	24.0	9.0	est.	312
STMCU	STUMP CUTTER	6.0	6.0	est.	60
LAWNM	LAWNMOWER	12.0	6.0	est.	120
SICARD-7	DETACHABLE SNO-BLOWER	6.0	6.0	est.	60
SICARD-6	SNOW BLOWER	4.0	4.0	est.	32
BRCH2	CHIPPER	10.0	6.0	est.	100
CLIPPER	CLIPPER	10.0	6.0	est.	100
HYDRO-1	HYDRO SEEDER	10.0	6.0	est.	100
SIGN-1	MESSAGE BOARD	10.0	6.0	est.	100
SIGN-2	MESSAGE BOARD	10.0	6.0	est.	100
3	ASPHALT RECYLER	12.0	8.0	est.	144
Traffic					
TR-TRL-02	TRAILER -- ?	18.0	8.0	est.	216
TR-TRL-03	TRAILER -- ?	18.0	8.0	est.	216
TR-23	TRUCK -- FORD	19.0	6.7	est.	203
TR-TRL-04	TRAILER -- NOMAMCO	18.0	8.0	est.	216
TR-28		18.5	6.5	est.	194
TR-29	CHEVOLET 4DR. SEDAN	18.5	6.5	est.	194
TR-27	CHEVROLET	18.5	6.5	est.	194
TR-17	TRUCK -- INT'L	26.0	8.0	est.	312
TR-26	TRUCK -- INT'L	26.0	8.0	est.	312
TR-30	3/4 VAN	18.0	7.0	est.	198
TR-32	VAN	19.0	6.7	est.	203
TR-31	4X2 STAKEBODY	26.0	8.0	est.	312
TR-33	F-250 4X4 PLOW	19.0	6.7	6.5	203
TR-34	CAB& CHASSIS 4X2	26.0	8.0	est.	312
Manchester Transit Authority					
	Transit Buses (35)	40.0	8.5	8.5	17,600

Total Net Area Required by all Departments 60,638

20% Grossing Factor 12,128

Gross Area Required for Combined Vehicle and Mobile Equipment Storage Needs (gsf) 72,766

Table 4
Building Space Requirements - Vehicle and Mobile Equipment Storage

Yard Storage Requirements

<i>Division</i>	<i>Material</i>	<i>Storage Type</i>	<i>Quantity / No.</i>	<i>Area (SF)</i>
Employee and Visitor Parking				
Administration		Outdoor	30	13,500
Highway		Outdoor	42	18,900
Engineering		Outdoor	20	9,000
Building Maintenance Dept		Outdoor	14	6,300
Traffic		Outdoor	10	4,500
Garage		Outdoor	20	9,000
Sewer Maintenance		Outdoor	20	9,000
Solid Waste		Outdoor	42	18,900
Street Maintenance		Outdoor	22	9,900
Manchester Transit Authority		Outdoor	120	54,000
Subtotal Required Parking			340	153,000
Material Storage				
Highway	Road Sand (tons)	Outdoor	3,000	9,000
	Road Salt (tons)	In Salt Shed	4,000	15,000
	Salters (ea)	Under Cover	34	5,100
	Cranes	Outdoor	2	1,600
Fueling Facilities				
Highway, et al	10,000 gal, underground tanks		2	1,800
Manchester Transit Authority	20,000 gal, underground tanks		2	3,000
Manchester Transit Authority				
School Bus Parking		Outdoor	81	42,000
School Bus Driver Training	Outdoor - Using circulation areas for bus parking			76,275
Vehicle Wash Building		Building		2,000
Other				
Generator		Outdoor		600
Facility Waste		Dumpster		300
Traffic (posts, etc.)		Outdoor		1,500
Subtotal Required Yard Storage				158,175

Total Net Yard Storage Area **311,175**

20% Grossing Factor 62,235

Gross Required Yard Storage Area	373,410
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Table 5
Yard Storage Requirements



Mr. Frank Thomas, P.E.

March 26, 2004

Page 17

Figure 4 presents block diagrams showing the current usage of the existing parcels. At the existing MTA parcel, as shown, there is significant unusable space within the parcel, including irregularly-shaped perimeter areas and areas of steep slopes. These unusable areas are about 2.5 acres, leaving about 5.5 acres in utilized space. At the MHD facility, the entire 5.3-acre area is utilized. However, because the facility evolved over a period of decades, some portions of the layout – some yard area and the former incinerator building, for example – are not as efficient as would be the case with a new facility.

Also shown on Figure 4 is a block diagram of the space needed for a consolidated MHD/MTA facility. The area shown is based on the calculation summarized in Table 6. As shown, the required space for a consolidated facility is about 520,000 square feet, or 11.9 acres. Given that few sites are likely to be suitable for a perfectly-ideal layout, the parcel size will need to be larger than this value. We suggest using 12.0 - 14.0 acres as the requirement for planning purposes, pending a site-specific analysis, for Alternative 1 (consolidated facility). Please note, however, that site-specific stormwater drainage requirements could lead to a need for even greater acreage.

For Alternative 2 (excluding MTA), Table 6 shows a space requirement of about 270,000 square feet, or 6.2 acres, for a buildable area.

Table 6 also shows potential building sizes. These would need to be refined through a detailed space programming process. At that time, the City may wish to consider increasing these values for potential future expansion.

For preliminary budgeting purposes, we suggest a cost range of \$17–20 million for a consolidated facility, or \$13-15 million for a DPW-only facility. These figures include an allowance for engineering and contingencies, but do not include allowances for land acquisition, rights-of-way, easements or legal fees. These cost ranges can be refined once a site is selected.

We wish to note the following comments regarding a potential consolidated facility:

- The use of a multi-story office layout, and/or multi-level parking structure, could be considered. This would reduce the site area requirements by 2-2.5 acres.
- The primary benefit of consolidation, in terms of area requirements, would be eliminating duplication of several functions such as reception area, restrooms, copy rooms, and building support spaces for mechanical and electrical systems. There would also be operational cost savings in building maintenance and housekeeping.



Mr. Frank Thomas, P.E.

March 26, 2004

Page 18

- Based on discussions with City officials, the yard area requirements are not easily shared. DPW and MTA have specific, unique and ultimately independent open-area programming needs.
- We noted earlier the limitations placed on MTA for cooperative use of their facility with other City agencies, per the federal funding arrangements. The implications of these issues for the proposed consolidated facility should be researched.

CDM is grateful for the opportunity to assist the City in this important project, and we look forward to discussing it further with you. Please call us after your review.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Anthony M. Omobono'.

Anthony M. Omobono, P.E.

Principal

Camp Dresser & McKee Inc.

cc: Mr. David Smith, Executive Director, MTA

Mr. Randy Sherman, Department of Finance, City of Manchester

Programming Needs Summary

	Department of Public Works	Manchester Transit Authority	
Building Space Requirements			
Administrative Space	12,900	4,674	<i>See Table 1 for Detailed Breakdown</i>
Shops, Storage and Employee Areas	43,440	11,016	<i>See Table 2 for Detailed Breakdown</i>
Vehicle and Mobile Equipment Garage	51,646	21,120	<i>See Table 3 for Detailed Breakdown</i>
Subtotal Building Area Required	107,986	36,810	
Yard Space Requirements			
			<i>See Table 4 for Detailed Breakdown</i>
Employee and Visitor Parking	118,800	64,800	
Material Storage	36,840		
Fueling Facilities	2,160	3,600	
School Bus Parking		50,400	
School Bus Driver Training		91,530	
Vehicle Wash Building		2,400	
Miscellaneous	2,880		
Subtotal Yard Area Required	160,680	212,730	
Total Req'd Building and Yard Area Per Facility	268,666	249,540	
<i>Existing area at each facility</i>	<i>230,900</i>	<i>348,480</i>	<i>Existing - MTA total includes landscaped, banked, and unpaved/unused areas</i>
Total Combined Buildings		144,796	
Total Combined Yard Area		373,410	
Total Combined Area Range		518,206 to 600,000 sq.ft.	

Notes:

Total required areas are based on optimal building and site layouts. Vehicle buildings are assumed to have drive thru bays. Factors such as site constraints and configuration, zoning setbacks, roadway access, and environmental issues may increase the total area required to accommodate programming needs. Vehicle and personnel data was provided by City of Manchester and has not been verified.

Appendices

Appendices

- Organizational Chart, Manchester Transit Authority (1 page)
- City Fleet List (excerpt from Department of Highways spreadsheet, 5 pages)
- Headcount and Workspace Needs (Department of Highways spreadsheet, 5 pages)

City of Manchester Fleet List
Vehicle Listing by Department

Reference Number	Department	Year	Veh Life	Repl. Yr.	Description	Current Meter	Replacement Cost	VIN Number	License/Tag #
PBS-0714	Bldg. Services	1996	10	1996	STEP VAN	51137	\$ 21,000	1GDHP32M8G3501917	G08664
PBS-0018	Bldg. Services	1991	10	2001	CHEVY CARGO VAN	635718	\$ 21,000	2GCGG35KX4132813	G06687
PBS-0019	Bldg. Services	1991	10	2001	CHEVY ASTRO MINIVAN	76934	\$ 21,000	1GCDM15Z2MB202478	G14666
PBS-0020	Bldg. Services	1992	10	2002	CHEVY CARGO VAN	56888	\$ 21,000	2GCGG35K9N4155663	G06690
PBS-0809	Bldg. Services	1977	26	2003	F700 BUCKET TRUCK	72926	\$ 125,000	F70EVAH2705	G06689
PBS-0890	Bldg. Services	1996	10	2006	138 ECONOLINE VAN	28156	\$ 21,000	1FTEE1424VHA70960	G13287
PBS-0895	Bldg. Services	1997	10	2007	FORD AEROSTAR VAN	39910	\$ 21,000	1FMCA11U2VZA91935	G06683
PBS-0966	Bldg. Services	2000	10	2010	FORD RANGER PICKUP	8792	\$ 18,000	1FTYR10C5YTA16293	G03859
PBS-0981	Bldg. Services	2000	10	2010	EXPRESS CARGO VAN	16190	\$ 21,000	1GCFG15W8Y1210957	G06691
PBS-0987	Bldg. Services	2000	10	2010	E150 CARGO VAN	12492	\$ 21,000	1FTRE1421YHB34068	G01892
PBS-1007	Bldg. Services	2001	10	2011	EXPRESS VAN	12139	\$ 21,000	1GCEG15W211105784	G06686
PBS-1035	Bldg. Services	2002	10	2012	CHEVY EXPRESS CARGO VAN	3923	\$ 18,000	1FTCY35R721167654	G06721
PBS-1032	Bldg. Services	2002	10	2012	F-250	6967	\$ 21,000	1FTNF21L62EB70118	G12217
POOL-0858	City Fleet	1996	10	2006	POOL#1 - CHEVY CAPRICE	107796	\$ 15,000	1G1BL52P4TR128094	G06685
POOL-0859	City Fleet	1996	10	2006	POOL #4 - CAPRICE SEDAN	113071	\$ 15,000	1G1BL52P7TR128221	G03203
POOL-0886	City Fleet	1996	10	2006	FORD CROWN VIC. - POOL #2	122096	\$ 15,000	1FALP71W9TX145280	G15389
POOL-0887	City Fleet	1996	10	2006	POOL#3 - FORD CROWN VIC.	110500	\$ 15,000	2FALP71W1TX145273	G06729
POOL-0932	City Fleet	1999	10	2009	POOL #5 - CROWN VICTORIA	96223	\$ 15,000	2FAFP71W2XX103195	G13300
FIRE-E 13	Fire	1977	12	1989	PUMPER	85944	\$ 425,000	CF686F1211	GO2370
FIRE-CAR11	Fire	1985	10	1995	FORD F150 VAN	91852	\$ 36,000	1FTEE14F8GHC17317	G12997
FIRE-E 8	Fire	1983	12	1995	HAHN/FMC PUMPER	64905	\$ 425,000	HCC8611183	GO2358
FIRE-CAR13	Fire	1988	10	1998	CHEVY PICKUP	122247	\$ 32,000	2GCF24K8J1156589	GO7969
FIRE-CAR8	Fire	1988	10	1998	FORD LTD WAGON	85815	\$ 36,000	2FABP76F9KX126800	GO2375
FIRE-E 1	Fire	1987	12	1999	FEDMTR PUMPER	45833	\$ 425,000	1F9PBA84H1037872	GO2351
FIRE-E 12	Fire	1987	12	1999	FEDMTR PUMPER	98085	\$ 425,000	1F9BAA80H1037870	GO2364
FIRE-E 9	Fire	1987	12	1999	FEDMTR FOAM PUMPER	85569	\$ 425,000	1F9PBA82H1037871	GO2356
FIRE-T 2	Fire	1985	15	2000	108' LTI LADDER	39157	\$ -	S29GT6J02FC423839	GO2361
FIRE-CAR12	Fire	1990	10	2000	INT'L UTILITY BUCKET TRK	36134	\$ -	1HTSCZWN5LH231282	GO2348
FIRE-T 3	Fire	1985	15	2000	FEDMTR/E1 PLATFORM	73414	\$ 825,000	1F9DBBA83F1037433	GO0224
FIRE-CAR9	Fire	1991	10	2001	CHEVY CAPRICE WAGON	110976	\$ 36,000	1G1BL83EXMW249892	GO2343
FIRE-CAR5	Fire	1992	10	2002	CRWN VICTORIA SEDAN	44207	\$ 36,000	2FACP74W9NX242039	GO2367
FIRE-E 11	Fire	1990	12	2002	FEDMTR PUMPER	80446	\$ 425,000	46JPBA82L1003388	G13204
FIRE-E 6	Fire	1990	12	2002	FEDMTR PUMPER	54020	\$ 425,000	46JPBA80L1003387	G03803
FIRE-AIR1	Fire	1988	15	2003	AIR SUPPLY E1 RESCUE	50415	\$ -	1FDYD80UQJVA04316	GO2373
FIRE-T 7	Fire	1989	15	2004	106' LTI LADDER	5275	\$ 825,000	1S9CT6H0JC185870	GO2365
FIRE-BOAT1	Fire	1985	20	2005	BOSTON WHALER	0	\$ 19,000	BWCL1238J586	NH5552AE
FIRE-CAR10	Fire	1995	10	2005	CHEVY VAN	41801	\$ 36,000	1GBDL19W4SB199345	G10544
FIRE-CAR4	Fire	1995	10	2005	CHEVY CAPRICE WAGON	92431	\$ 36,000	1G1BL82P9SR171992	GO2345
FIRE-CAR7	Fire	1995	10	2005	CHEVY CAPRICE WAGON	87197	\$ 36,000	1G1BL82P3SR170711	GO2347
FIRE- E/T4	Fire	1990	15	2005	SEAGRAVE QUINT TRUCK	55088	\$ 425,000	1F9FE38J2LCS2048	GO2354
FIRE-E 10	Fire	1993	12	2005	SPAR/LUVER FOAM PUMPER	68136	\$ -	4S7AT9L0XPC010134	GO2350
FIRE-E 3	Fire	1994	12	2006	SPARTAN 3D FOAM PUMPER	52347	\$ 425,000	4S7AT9G03RC014362	GO2355
FIRE-R 1	Fire	1996	12	2008	SPARTAN HAZ MAT	44544	\$ -	4S7AT9G04TC018573	G14984
FIRE-CAR14	Fire	1998	10	2008	CHEVY PICKUP	31971	\$ 32,000	1GCGK24R4WZ248463	GO2349
FIRE-E 2	Fire	1996	12	2008	SPARTAN 3D FOAM PUMPER	25917	\$ 425,000	4S7AT9G07TC018714	GO2353
FIRE-E 7	Fire	1996	12	2008	SPARTAN/3D FOAM PUMPER	34310	\$ 425,000	4S7AT9G09TC018715	GO2352
FIRE-BOAT2	Fire	1989	20	2009	RESCUE BOAT 2	0	\$ 10,000	AVB75436A989	NH7143AM
FIRE-CAR1	Fire	1999	10	2009	CHEVY TAHOE	79754	\$ 36,000	1GNEK13R2XJ360463	GO2346
FIRE-CAR3	Fire	1999	10	2009	CHEVY TAHOE	35597	\$ 36,000	1GNEK13R8XJ403932	GO2342
FIRE-CAR6	Fire	1999	10	2009	CROWN VICTORIA SEDAN	11540	\$ 36,000	2FAFP71W6XX161147	GO2344
FIRE-CAR2	Fire	2001	10	2011	CHEVROLET TAHOE	20393	\$ 36,000	1GNEK13V91J230653	GO2376
FIRE-T 5	Fire	1996	15	2011	105' LADDER TRUCK	29675	\$ 825,000	4S7AT9G07TC020060	GO2362
FIRE-T 6	Fire	1996	15	2011	100' LADDER TRUCK	20490	\$ 825,000	4S7AT9M00TC021037	GO2363
FIRE-E 5	Fire	2003	12	2015	EMERGENCY CYCLONE PUMPER	5270	\$ 425,000	4EN3AAA8521004689	GO2359
FIRE-T 1	Fire	2001	15	2016	91' EMERGENCY CYCLONE	5848	\$ -	4EN3AAA8211004051	GO2360
FIRE-BRUSH1	Fire	2003	15	2018	BRUSH TRUCK	0	\$ 75,000	1FDAF57F63EA52164	G16418
FIRE-BOAT3	Fire	1999	20	2019	15' AVON OUTBOARD	0	\$ -	GB4VB127G1E797	NH1598BF
FIRE-TRLRG	Fire	1954	?	?	#VALUE! TRAILER GENERATOR	0	\$ -	NHTRO27737	GO2374
FIRE-TRLR3	Fire	1984	?	?	#VALUE! LIFEBOAT TRAILER	0	\$ -	NHTRO27740	GO2371
FIRE-TRLR1	Fire	1986	?	?	#VALUE! BOAT TRAILER 1	0	\$ -	1CXBA1613FS519250	GO2369
FIRE-TRLRP	Fire	1988	?	?	#VALUE! PORTABLE PUMP TRAILER	0	\$ -	NHTRO65261	GO6767
FIRE-TRLRR	Fire	1988	?	?	#VALUE! WIRE REEL TRAILER	0	\$ -	1A9412108J069909	GO2366
FIRE-REST	Fire	1990	?	?	#VALUE! RESCUE TRAILER	0	\$ -	1WC200G2061046777	GO5822
FIRE-TRLR2	Fire	2000	?	?	#VALUE! BOAT TRAILER 2	0	\$ -	5A4FPRJ11Y2050197	GO2372
T45	Highway	1970	15	1985	CRANE - LINK BELT	30	\$ 100,000	16GO586	NONE
512	Highway	1976	10	1986	TRACTOR	25322	\$ 95,000	D74FR6J003820	G14936
22	Highway	1974	15	1989	TRAILER - INT'L	0	\$ 2,500	7424893	G03313

Reference Number	Department	Year	Veh Life	Repl. Yr.	Description	Current Meter	Replacement Cost	VIN Number	License/Tag #
44	Highway	1977	15	1992	TRAILER – HOMEMAKE	0	\$ 2,500	1NTR032019	G03368
T63	Highway	1983	10	1993	BOMBADIER	1610	\$ 59,000	001830827	235000224
562	Highway	1984	10	1994	BLAZER GO0340	395	\$ 20,000	1G8ED18J5FF100379	G00340
T61	Highway	1982	13	1995	LOADER	5589	\$ 165,000	31RO1341	G03291
450	Highway	1986	10	1996	TRUCK 3TN -- INT'L	174200	\$ 91,000	1HTLCHXNXGHA29821	G13303
451	Highway	1986	10	1996	TRUCK 3TN -- INT'L	130382	\$ 91,000	1HTLCHXNXGHA29835	G13310
452	Highway	1986	10	1996	TRUCK 5TN -- INT'L	89959	\$ 96,000	1HTLDUXR3GHA23013	G13311
453	Highway	1986	10	1996	TRUCK 5TN -- INT'L	104388	\$ 96,000	1HTLDUXR4GHA30357	G13314
459	Highway	1986	10	1996	TRUCK 5TN -- INT'L	178282	\$ 99,000	1HTLDUXRXGHA30198	G13312
460	Highway	1986	10	1996	TRUCK 5TN -- INT'L	71222	\$ 99,000	1HTLDUX7GHA30188	G13313
525	Highway	1987	10	1997	PICK UP TRUCK -- FORD	42526	\$ 44,500	2FDHF37H4HC06353	G10032
545	Highway	1987	10	1997	TRUCK 1TN -- GMC	96803	\$ 44,500	1GDJV34J3HJ516944	G04099
T25	Highway	1988	10	1998	TRAILER LOAD KING	0	\$ 9,500	1L4T29222	G11076
493	Highway	1988	10	1998	SPORTS VAN	54449	\$ 25,000	2GNNGG3510K4114123	G00318
494	Highway	1988	10	1998	SPORTS VAN	109430	\$ 25,000	2GNNGG35J5K4119267	G03644
484	Highway	1988	10	1998	PICK UP TRUCK -- CHEVY	3171	\$ 34,000	1GCHR33J7J121148	G03292
485	Highway	1988	10	1998	PICK UP TRUCK -- CHEVY	71478	\$ 34,000	1GCHR33J1J121372	G03282
483	Highway	1988	10	1998	TRUCK 5TN -- FORD	73265	\$ 99,000	1FDYK82A7JVA03978	G03651
480	Highway	1988	10	1998	TRUCK 10WHL -- MACK	44103	\$ 125,000	1M2P137C7JW017370	G03289
481	Highway	1988	10	1998	TRUCK 10WHL -- MACK	169587	\$ 125,000	1M2P137CQJW017369	G03652
482	Highway	1988	10	1998	TRUCK 10WHL -- MACK	177836	\$ 125,000	1M2P137C9JW017371	G03653
T64	Highway	1985	13	1998	LOADER -- CAT	2635	\$ 155,000	94ZO1385	G13195
T66	Highway	1985	13	1998	LOADER -- CAT	9533	\$ 165,000	2XB00852	G13194
G18	Highway	1985	13	1998	GRADER -- CAT	6926	\$ 208,000	72V08888	G03692
509	Highway	1984	15	1999	FLAT BED -- GMC	75265	\$ 28,000	1GDHC34M3EV520062	G03302
579	Highway	1989	10	1999	BLAZER 4X4	79033	\$ 28,000	1GKEV18K8KF510264	GOO317
STMCU	Highway	1984	15	1999	STUMP CUTTER	75222	\$ 35,000	1116	G03656
ASCRB ?????	Highway	1985	15	2000	ASPHALT CURB MACHINE	10001	\$ -	NONE - ASCRB	NONE
842	Highway	1990	10	2000	VAN -- FORD	84915	\$ 18,500	1FTEE14YXLHB81305	G03298
500	Highway	1990	10	2000	4X4 UTILITY VEHICLE	79994	\$ 19,000	1GKCT18Z0LO503453	G03732
T73	Highway	1987	13	2000	LOADER -- JCB	667	\$ 66,000	15BT4107331362Z	G03673
R34	Highway	1988	12	2000	ROLLER -- GALLION	15	\$ 90,000	66B	NONE
G19	Highway	1987	13	2000	GRADER -- CAT	7444	\$ 208,000	72V10427	G03663
563	Highway	1991	10	2001	PASSENGER CAR -- WM	186505	\$ 20,000	1G1BL5373NW153989	G03310
578	Highway	1991	10	2001	4 WHEEL UTILITY	10937	\$ 28,000	1FMU34X7MUE47031	G03730
515	Highway	1991	10	2001	PICK UP TRUCK -- GMC	52466	\$ 31,000	16GJR33K9MF702485	G03301
527	Highway	1993	8	2001	PACKER -- FORD	95959	\$ 135,000	1FDZY82E4RVA16687	G03648
528	Highway	1993	8	2001	PACKER -- FORD	100458	\$ 135,000	1FDZY82E3RVA16454	G03654
530	Highway	1993	8	2001	PACKER -- FORD	101212	\$ 135,000	1FDZY82E2RVA16848	G03312
531	Highway	1993	8	2001	PACKER -- FORD	88906	\$ 135,000	1FDZY82E1RVA16453	G03311
532	Highway	1993	8	2001	PACKER -- FORD	90623	\$ 135,000	1FDZY82E2RVA16686	G03647
533	Highway	1993	8	2001	PACKER -- FORD	99819	\$ 135,000	1FDZY82E0RVA16685	G03299
T74	Highway	1988	13	2001	LOADER -- CAT	11976	\$ 165,000	33Z02881	G03728
T72	Highway	1987	14	2001	SHOVEL -- CAT	490	\$ 200,000	79V16306	NONE
T68	Highway	1986	15	2001	CRANE -- LINK BELT	9799	\$ 205,000	47H6280	G13335
522	Highway	1992	10	2002	PICK UP TRUCK -- FORD	192991	\$ 15,500	2FTEF15Y5NCA44018	G03288
SICARD-6	Highway	1990	12	2002	SNOW BLOWER	1	\$ 69,000	NONE SICARD6	NONE
S24	Highway	1995	7	2002	SWEEPER -- JOHNSTON	18280	\$ 135,000	1JSVM3H42SC041043	G03317
S25	Highway	1995	7	2002	SWEEPER -- JOHNSTON	25643	\$ 135,000	1JSVM3H44SC041044	G03315
521	Highway	1992	10	2002	EDUCTOR SEWER TRK -- FORD	54730	\$ 175,000	1FDYK82A7NVA04702	G03293
T28	Highway	1991	12	2003	TRAILER	0	\$ 2,500	4B2T11D17M1000116	G03668
526	Highway	1993	10	2003	PICK UP TRUCK -- FORD	69845	\$ 34,000	2FTJW35MXPCB10685	G13279
T79	Highway	1993	10	2003	BOMBADIER	1526	\$ 59,000	LD33618U504935W	G03316
T80	Highway	1993	10	2003	BOMBADIER	1469	\$ 59,000	LD33618U504059W	G03319
T81	Highway	1993	10	2003	BOMOBADIER	15120	\$ 59,000	LD33618U507041W	G03287
550	Highway	1994	10	2004	PICK UP TRUCK -- FORD	83960	\$ 19,500	2FTHF36H8SCA27250	G15789
574	Highway	1994	10	2004	CHEVOLET	129273	\$ 20,000	1G1BL52P8SR128954	G03643
548	Highway	1994	10	2004	PICK UP TRUCK -- FORD	58309	\$ 45,000	2FDKF38G5RCA77278	G03296
T86	Highway	1994	10	2004	TRACTOR SIDEWALK - TKLESS	1171	\$ 59,000	MT5T681	G03320
R35	Highway	1992	12	2004	ROLLER -- STONE	2	\$ 70,000	4521203	NONE
FORK-1	Highway	1990	15	2005	FORK LIFT 1	0	\$ -	NONE - FORK LIFT 1	NONE
FORK-2	Highway	1990	15	2005	FORK LIFT 2	0	\$ -	NONE FORK LIFT 2	NONE
FORK-3	Highway	1990	15	2005	FORK LIFT 03	0	\$ -	NONE FORK LIFT 3	NONE
FORK-4	Highway	1990	15	2005	FORK LIFT 04	0	\$ -	NONE - FORK LIFT 4	NONE
561	Highway	1995	10	2005	PICK UP TRUCK -- FORD	98745	\$ 17,000	1FTRF15N4TNA35775	G09509
575	Highway	1995	10	2005	CHEVOLET 4DR. SEDAN	222550	\$ 20,000	1G1BL52P7TR128011	GI5374
BC-1	Highway	1995	10	2005	LOADER -- BOBCAT	2631	\$ 25,000	18460	NONE
BRCH2	Highway	1995	10	2005	CHIPPER	383	\$ 60,000	4S8S215185SW00002406	G03725
R36	Highway	1994	12	2006	ROLLER -- ANY	0	\$ 7,000	2841204	NONE
564	Highway	1996	10	2006	PICK UP TRUCK -- FORD	36646	\$ 18,000	3FTHF26H2VMA08941	G00315

Reference Number	Department	Year	Veh Life	Repl. Yr.	Description	Current Meter	Replacement Cost	VIN Number	License/Tag #
566	Highway	1996	10	2006	PICK UP TRUCK -- FORD	28348	\$ 18,000	3FTHF25H2VMA08942	G00316
565	Highway	1996	10	2006	PICK UP TRUCK -- FORD	39981	\$ 43,500	1FDKF38G2VEA59728	G03723
T87	Highway	1996	10	2006	TRACTOR SIDEWALK - TKLESS	8999	\$ 59,000	MT5T572	G03666
T78	Highway	1993	13	2006	BACKHOE -- CAT	10216	\$ 68,000	08SG03740	G03318
549	Highway	1994	12	2006	WATER TANKER -- INT'L	2736	\$ 92,000	1HTSDAAR5SH630085	G15730
535	Highway	1994	12	2006	TRUCK 5TN -- INT'L	82697	\$ 96,000	1HTSDAAR3RH595928	G03290
536	Highway	1994	12	2006	TRUCK 5TN -- INT'L	73748	\$ 96,000	1HTSDAAR6RH595924	G00372
537	Highway	1994	12	2006	TRUCK 5TN -- INT'L	79058	\$ 96,000	1HTSDAAR5RH595932	G03733
538	Highway	1994	12	2006	TRUCK 5TN -- INT'L	110734	\$ 96,000	1HTSDAAR1RH595930	G00588
539	Highway	1994	12	2006	TRUCK 5TN -- INT'L	74647	\$ 96,000	1HTSDAAR3RH595931	G03364
540	Highway	1994	12	2006	TRUCK 5TN -- INT'L	77630	\$ 96,000	1HTSDAAR8RH595925	G03665
541	Highway	1994	12	2006	TRUCK 5TN -- INT'L	59023	\$ 96,000	1HTSDAAR7RH595933	G03657
543	Highway	1994	12	2006	TRUCK 5TN -- INT'L	63962	\$ 96,000	1HTSDAAR1RH595927	G03677
542	Highway	1994	12	2006	TRUCK 5TN -- INT'L	40020	\$ 99,000	1HTSDAAR5RH595929	G03645
544	Highway	1994	12	2006	TRUCK 5TN -- INT'L	5563	\$ 99,000	1HTSDAARXR595926	G03679
546	Highway	1994	12	2006	TRACTOR -- INT'L	86786	\$ 105,000	1HSGLAER4SH630084	G03680
T82	Highway	1993	13	2006	LOADER -- CAT	10524	\$ 165,000	8AJ00754	G03660
T83	Highway	1993	13	2006	LOADER -- CAT	9000	\$ 165,000	8AJ01271	G03307
G20	Highway	1993	13	2006	GRADER -- CAT	8246	\$ 208,000	72V16246	G03661
T26	Highway	1995	12	2007	TRAILER -- COREY	37134	\$ 2,500	1C97ML2F2SL308028	G09236
T27	Highway	1995	12	2007	LOADER -- BOBCAT	0	\$ 2,500	TRA763202	G09243
CLIPPER	Highway	1997	10	2007	CLIPPER	490	\$ 4,000	NONE CLIPPER	NONE
SIGN-1	Highway	1997	10	2007	MESSAGE BOARD	32	\$ 25,000	1A9AD3004U2228283	G03787
SIGN-2	Highway	1997	10	2007	MESSAGE BOARD	22	\$ 25,000	1A9AD3002U2228283	G03303
S26	Highway	2000	7	2007	JOHNSTON SWEEPER	1539	\$ 140,000	49HAABVO1HF18703	G13202
T85	Highway	1994	13	2007	LOADER -- CAT	5235	\$ 161,000	3TJ00353	G03659
T84	Highway	1994	13	2007	LOADER -- CAT	8174	\$ 165,000	2XL00471	G03655
567	Highway	1997	10	2007	EDUCTOR SEWER TK -- FORD	44245	\$ 175,000	1FDYN80E9VVA39772	G03674
571	Highway	1998	10	2008	98 TAURUS FCT	12077	\$ 19,000	1FAFP52S1WA240815	G03309
590	Highway	1998	10	2008	4DR. SEDAN	99166	\$ 20,000	2FAFP71W9WX119408	G03726
598	Highway	1998	10	2008	FORD CROWN VICTORIA	91846	\$ 20,000	2FAFP71W7WX119407	235-000910
T90	Highway	1998	10	2008	SIDEWALK TRACTOR	969	\$ 59,000	MT5T-1469	G03722
800	Highway	1993	15	2008	MORARK TUB GRINDER	190	\$ 100,000	846-056	G10876
S27	Highway	2001	7	2008	JOHNSTON SWEEPER	4949	\$ 135,000	1J9VMH4H371C172093	
26	Highway	1994	15	2009	TRAILER	0	\$ 2,500	NB411216R1BT950	G10262
T29	Highway	1997	12	2009	UTILITY TRAILER	0	\$ 2,500	10DHH1001V1000030	G07854
591	Highway	1999	10	2009	4DR. SEDAN	95687	\$ 20,000	2FAFP71W8XX103198	G03308
599	Highway	1999	10	2009	FORD CROWN VICTORIA	103779	\$ 20,000	2FAFP71W4XX103201	235-000926
572	Highway	1999	10	2009	1TON DUMP W/ PLOW	44495	\$ 44,500	1FDWF37F6XEB49784	G13632
573	Highway	1999	10	2009	1TON DUMP W/ PLOW	3336	\$ 44,500	1FDWF378XEB49785	G13633
587	Highway	2001	8	2009	REFUSE PACKER	31047	\$ 135,000	1HTGLATT91H58656	
588	Highway	2001	8	2009	REFUSE PACKER	36613	\$ 135,000	1HTGLATT01H358657	
589	Highway	2001	8	2009	REFUSE PACKER	31481	\$ 135,000	1HTGLATT21H358658	
597	Highway	2001	8	2009	REFUSE - PACKER	22686	\$ 135,000	1HTGLATTX2H512261	
S28	Highway	2002	7	2009	SWEEPER	2094	\$ 140,000	1FVAB3BV82DK21712	
584	Highway	2000	10	2010	PICK UP	46740	\$ 13,500	1GCCS14W9Y8157759	G15351
585	Highway	2000	10	2010	TAURUS 4DR. SEDAN	32846	\$ 19,000	1FAFP53U5YA242165	235000986
569	Highway	1998	12	2010	3 TON CREW CAB	69272	\$ 55,000	1HTSCAAN6WH550463	G03294
570	Highway	1998	12	2010	3 TON CREW CAB	49215	\$ 55,000	1HTSCAAN6WH55062	G03295
SICARD-7	Highway	1998	12	2010	DETACHABLE SNO-BLOWER	168	\$ 69,000	3446	
R37	Highway	1998	12	2010	10-14 TON ROLLER	608	\$ 90,000	DO89C6457V	NONE
582	Highway	2000	10	2010	5TN INT'L DUMP TRUCK	54550	\$ 99,000	1HTSDAAR8YH267340	G13308
583	Highway	2000	10	2010	5TN INT'L DUMP TRUCK	8332	\$ 99,000	1HTSDAARYH267341	G13307
580	Highway	2000	10	2010	10 WHEELER	45731	\$ 125,000	1M2P296C5YMO47247	G15655
600	Highway	2002	8	2010	REFUSE PACKER	17169	\$ 135,000	1HTGLATT12H539204	
601	Highway	2002	8	2010	REFUSE PACKER	16745	\$ 135,000	1HTGLATT32H539205	
LAWN M	Highway	2001	10	2011	LAWN MOWER	0	\$ 3,000	265058	500-000667
R38	Highway	1999	12	2011	1 1/4 TON ROLLER	0	\$ 7,000	1099448	NONE
592	Highway	2001	10	2011	F-250 4X4	28670	\$ 19,000	1FTNF21L31EBO8688	
593	Highway	2001	10	2011	2DR. PICK UP 2 WHEEL DR.	23054	\$ 23,000	1FTNF20F11ED49693	
594	Highway	2001	10	2011	FORD F-250 CREW CAB	22867	\$ 26,000	1FTNW20FX1ED49692	
576	Highway	1999	12	2011	3TON /CREW CAB	36534	\$ 55,000	1HTSCAAN7XH656839	G03646
577	Highway	1999	12	2011	3TON /CREW CAB	32800	\$ 55,000	1HTSCAAN5XH656839	G03649
T92	Highway	2001	10	2011	TRACKLESS / SIDEWALK PLOW	1888	\$ 59,000	MT5T-1935	
586	Highway	2001	10	2011	4900 4X2 DUMP	7420	\$ 96,000	1HTSDAARO1H358530	
602	Highway	2003	8	2011	REFUSE PACKER	9430	\$ 135,000	1HTGLATT13H565299	
PAV6	Highway	1999	12	2011	ASPHALT PAVER	2480	\$ 250,000	01PM735	G15731
TAP	Highway	1997	15	2012	TAP MACHINE	0	\$ 5,000	NONE TAP	NONE
HYDRO-1	Highway	1997	15	2012	HYDRO SEEDER	248	\$ 18,460	RUA796	G07855
BC-2	Highway	1997	15	2012	BOB CAT	135	\$ 38,000	512225516	G03300

Reference Number	Department	Year	Veh Life	Repl. Yr.	Description	Current Motor	Replacement Cost	VIN Number	License/Tag #
595	Highway	2002	10	2012	6WHL SALTER PLOW WING	5396	\$ 96,000	1HTSDAAR2H512260	
596	Highway	2002	10	2012	4X2 DP SALTER PLOW WING	4788	\$ 96,000	1HTSDAAR32H512259	
T91	Highway	1999	13	2012	938G LOADER	4049	\$ 175,000	4YS00704	GI3196
603	Highway	2003	10	2013	6 WHEELER	37165	\$ 91,000	1HTWDAAR33J059384	
604	Highway	2003	10	2013	6 WHEELER	9288	\$ 91,000	1HTWDAAR53J59385	
568	Highway	1998	15	2013	CRANE TRUCK	52712	\$ 95,000	1HTSDAAR3WH477910	GO3658
T89	Highway	1998	15	2013	DOZER	150	\$ 185,000	06GN00986	NONE
R39	Highway	2002	12	2014	1 1/4 TON ROLLER	0	\$ 7,000	082002258	
3	Highway	1999	15	2014	ASPHALT RECYLER	214	\$ 65,000	4KNUT1222XL160412	
LB6	Highway	2001	15	2016	LOWBED TRAILER	0	\$ 35,000	4LFAS442513510963	
30	Highway	2002	15	2017	TRAILER	0	\$ 3,500	5JPBU19242P005306	
CEM814	Parks/Rec/Cem	1967	11	1978	JEEP PICKUP	33325	\$ 50,000	11055	235-000614
PKS72	Parks/Rec/Cem	1971	10	1981	71 UTILITY TRAILER	0	\$ 1,500	1331774852GR	235-000276
PKS73	Parks/Rec/Cem	1971	10	1981	71 TRAILER	0	\$ 1,500	13311776052GR	235-000294
CEM819	Parks/Rec/Cem	1973	10	1983	COMPRESSOR(Joy)	36338	\$ 25,000	21866	235-000037(GO)
PKS05	Parks/Rec/Cem	1979	10	1989	1979 FORD SILVER VAN(Forestry)	80702	\$ 18,500	E37HHEG0800	235-000286
PKS06	Parks/Rec/Cem	1979	10	1989	1979 FORD VAN	40477	\$ 18,500	4KNUT1222XL160412	235-000289
CEM817	Parks/Rec/Cem	1979	10	1989	COMPRESSOR(Linday)	850	\$ 20,000	26514	235-000029
CEM816	Parks/Rec/Cem	1980	10	1990	COMPRESSOR(Linday)	28	\$ 20,000		167038 235-000031
PKS-000277	Parks/Rec/Cem	1979	11	1990	TEX JACOBSON G10 TRACTOR	0	\$ 35,000	70119-20011	235-000277
CEM809	Parks/Rec/Cem	1979	11	1990	BOOM TRUCK AERIAL BUCKET	3519	\$ 100,000	AA182JHA25672	235-000040
PKS45	Parks/Rec/Cem	1981	10	1991	81 HUDSON TRAILER	0	\$ 3,500	10HH5100651000056	235-000309
CEM818	Parks/Rec/Cem	1976	15	1991	CHIPPER	12	\$ 30,000	ENG31709F23HC	400-000057
CEM805	Parks/Rec/Cem	1981	10	1991	PICKUP TRUCK W/PLOW	93992	\$ 35,000	2FTJF36G2CCA28775	235-000025
CEM842	Parks/Rec/Cem	1980	12	1992	ROLLER	0	\$ 12,500	SRH8057	235-000030
PKS75	Parks/Rec/Cem	1981	12	1993	EAGER BEAVER ROLLER	0	\$ 10,000	SRH8146	650-000030
CEM803	Parks/Rec/Cem	1984	11	1995	DUMP TRUCK	48556	\$ 50,000	1GDHC34M4EV520233	235-000027
PKS35	Parks/Rec/Cem	1982	13	1995	BACKHOE	3057	\$ 100,000	C690432	235-000266
PKSA2	Parks/Rec/Cem	1987	10	1997	87 FORD WAGON	59968	\$ 30,000	SFABP75FXHX230531	235-000307
PKS11	Parks/Rec/Cem	1987	10	1997	87 GMC PICKUP	92206	\$ 32,000	1GTHV34J2HJ517315	235-000270
CEM802	Parks/Rec/Cem	1986	11	1997	DUMP TRUCK (F350)	38899	\$ 45,000	2FDKF38L3GCA97569	235-000028
PKS16	Parks/Rec/Cem	1988	10	1998	88 E VAN	64015	\$ 18,500	AFTEE14Y5JH895433	235-000281
PKS27	Parks/Rec/Cem	1987	11	1998	87 GMC DUMP	68841	\$ 45,000	1GDCR34J6HJ516843	235-000084
CEM029	Parks/Rec/Cem	1987	11	1998	1987 INT DUMP (T29)	108428	\$ 80,000	1HTLCHXNXHH484232	235-000303
PKS30	Parks/Rec/Cem	1987	11	1998	87 DUMP TRUCK	75781	\$ 80,000	1HTLCHXN1HH484233	235-000267
PKS03	Parks/Rec/Cem	1989	10	1999	4-DOOR CHEVY CAPRICE	83985	\$ 32,000	1G1BL51E2KA131802	235-000735
CEM009	Parks/Rec/Cem	1989	10	1999	PICKUP 89 CHEVY	63118	\$ 35,000	1GCGK24J4KE264738	235-000264
PKS43	Parks/Rec/Cem	1988	11	1999	88 CASE TRACTOR (w/blower)	942	\$ 40,000	B7004B020644	235-000262
CEM812	Parks/Rec/Cem	1988	11	1999	DUMP TRUCK (F350)	124337	\$ 45,000	2FDKE38M1JCB37857	235-000023
PKS76	Parks/Rec/Cem	1985	15	2000	EAGER BEAVER TRAILER	0	\$ 3,000	11120AP209FS040192	235-000273
CEM813	Parks/Rec/Cem	1988	12	2000	TRACTOR/WITH ATTACHMENT	1077	\$ 60,000	B470004B019951	400-000060 (GO)
CEM855	Parks/Rec/Cem	1987	13	2000	MICHIGAN LOADER	15823	\$ 170,000	L90V60132AM	G06932
PKS-000279	Parks/Rec/Cem	1991	10	2001	91 CUSHMAN	0	\$ 20,000	1CUNH3270M3000238	235-000279
CEM800	Parks/Rec/Cem	1991	10	2001	PICKUP	70971	\$ 32,000	1GCGK24K3ME185282	235-000036
PKS10	Parks/Rec/Cem	1991	10	2001	91 CHEVY PICKUP	913	\$ 32,000	1GCGK24K8ME214629	235-000273
CEM857	Parks/Rec/Cem	1994	10	2004	Sedan CHEVY CAPRICE (Cem Super)	111807	\$ 32,000	1G1BL52P8SR129103	235-000824
PKS13	Parks/Rec/Cem	1994	10	2004	94 CHEVY PICKUP	54855	\$ 32,000	1GCHK34F7RE220295	235-000315
PKS15	Parks/Rec/Cem	1994	10	2004	94 CHEVY C30 PICKUP	52547	\$ 32,000	1GCHK34FRE220304	235-000315
PKS22	Parks/Rec/Cem	1994	10	2004	94 CHEVY C30 PICKUP	60507	\$ 32,000	1GCHK34F8RE220354	235-000314
PKSA1	Parks/Rec/Cem	1995	10	2005	95 BLUE BONNEVILLE	59154	\$ 32,000	1G2HX52K1S4273295	238-000832
PKSA4	Parks/Rec/Cem	1995	10	2005	95 CHEVY CAPRICE	101795	\$ 32,000	1G1BL52P9TR128009	235-000855
PKS31	Parks/Rec/Cem	1991	15	2006	91 GANG MOWER (F10)	1800	\$ 70,000	LD701860415913U	235-000260
PKS23	Parks/Rec/Cem	1995	11	2006	DUMP (w/sander)	46608	\$ 90,000	1BTSDAAR85H327108	235-000267
PKS04	Parks/Rec/Cem	1997	10	2007	97 FORD E VAN(pools)	23299	\$ 18,500	1FTEE1426VHA85363	650-001745
PKS14	Parks/Rec/Cem	1997	10	2007	97 FMC F250 PICKUP(Pks Super)	55775	\$ 32,000	1FTHF26HBVEB05468	235-000897
PKS-001781	Parks/Rec/Cem	1998	10	2008	98 UTILITY TRAILER	0	\$ 2,200	4L2KY4L19W2000113	650-001781
PKSA3	Parks/Rec/Cem	1998	10	2008	1998 WHITE CROWN VICTORIA	86141	\$ 32,000	2FAFP71W9WX119411	235-000914
PKS07	Parks/Rec/Cem	1998	10	2008	1998 INT Aerial Van (forestry)	27164	\$ 100,000	1HTSDAAR2WH562718	235-000907
CEM858	Parks/Rec/Cem	1999	10	2009	FORD CROWN VIC	110953	\$ 32,000	2FAFP71WXXX103199	235-000928
PKS18	Parks/Rec/Cem	2000	10	2010	2000 F350 SD Crewcab	30907	\$ 37,500	1FTSW31S7YEC46101	235-000984
PKS19	Parks/Rec/Cem	2000	10	2010	00 F350 SD FORD Crewcab	16822	\$ 37,500	1FTSW31S9YEC46102	235-000983
PKS26	Parks/Rec/Cem	1999	11	2010	1999 FORD BABY DUMP	9806	\$ 45,000	1FDWF37S0XEC51790	650-001794
PKS46	Parks/Rec/Cem	1996	15	2011	CHIPPER	1454	\$ 30,000	458S21518TW002662	650-001704
CEM863	Parks/Rec/Cem	2001	10	2011	FORD F450	2505	\$ 45,000	1FDXF47S91ED78295	235129
PKS41	Parks/Rec/Cem	2001	10	2011	2001 BOBCAT	258	\$ 50,000	514147264	235-001008
PKS25	Parks/Rec/Cem	2001	10	2011	2001 INTERNATIONAL NAV(w/sander)	1202	\$ 90,000	1HTSDAAR21H400034	235-001004
CEM861	Parks/Rec/Cem	2000	12	2012	KAWASAKI MULE	0	\$ 12,000	JK1AFCA1XYB533270	400-319
PKS12	Parks/Rec/Cem	2002	10	2012	02 FMC 8 PSSNGR VAN	2495	\$ 20,000	1FMRE11262HA34474	235-001036
PKS32	Parks/Rec/Cem	1999	13	2012	99 VOLVO LOADER	5399	\$ 170,000	L90CV63224	235-000943
CEM862	Parks/Rec/Cem	2001	12	2013	TORO MOWER	0	\$ 7,500	200000097	400-317
PKS28	Parks/Rec/Cem	2002	11	2013	2002 DUMP	4102	\$ 45,000	1FDXF47502ED68045	235-001038
PKS20	Parks/Rec/Cem	2002	11	2013	2002 Bandstand	0	\$ 75,000		4101001 235-001039
PKS17	Parks/Rec/Cem	2002	11	2013	2002 INTL DUMP	4034	\$ 90,000	1HTSDAAR12H534096	235-001030
CEM854	Parks/Rec/Cem	1999	15	2014	CAT 416CIT (backhoe)	15340	\$ 85,000	1WR04369	235-000940
CEM859	Parks/Rec/Cem	2001	15	2016	INTL DUMP TRK	1101	\$ 90,000	1HTSDAAR41H400035	235-001005
PKS37	Parks/Rec/Cem	2002	15	2017	02 JACOBSON TRACTOR/MOWE	378	\$ 70,000	705241754	235-001034
PKS47	Parks/Rec/Cem	2002	20	2022	BARK BLOWER TRAILER	0	\$ 58,000	1F9CS18242F135231	235-001037

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CEM860	Parks/Rec/Cem	2001	25	2026	TARCO LEAF LOADER	1173	\$ 25,000	JR2312A6557J02	400316
PKS-000398	Parks/Rec/Cem	1976	11	1987	JAC G10 TURF TRACTOR	20472	\$ 35,000	18110	650-000398
PD-0924	Police	1985	10	1995	DIESEL 4 WD BLAZER	53107	\$ -	1G8ED18J4FF111859	G09660
PD-0982	Police	1985	10	1995	CHEVY CORVETTE	115485	\$ -	1G1YY078XF5134199	G03038
PD-0754	Police	1986	10	1996	GMV VAN SRT	15855	\$ 32,000	2GTEG25H8G4519399	G03370
PD-1027	Police	1987	10	1997	ECONOLINE VAN	44740	\$ 20,000	1FTJE34H1JHA50643	625539
PD-0827	Police	1988	10	1998	CAMARO	101547	\$ -	1G1FP2189JL181419	GREAT
PD-0319	Police	1995	3	1998	CROWN VIC. - CRUISER	82444	\$ 26,000	2FALP71W4SX193672	G09661
PD-0320	Police	1995	3	1998	CROWN VIC. - CRUISER	50390	\$ 26,000	2FALP71W9SX170484	625535
PD-0868	Police	1996	3	1999	CROWN VIC. - CRUISER	47395	\$ 26,000	2FALP71WXTX167353	625541
PD-0870	Police	1996	3	1999	CROWN VIC. - CRUISER	61016	\$ 26,000	2FALP71W4TX167364	G03364
PD-0871	Police	1996	3	1999	CROWN VIC. - CRUISER	76696	\$ 26,000	2FALP71W6TX167365	G06761
PD-0872	Police	1996	3	1999	CROWN VIC. - CRUISER	61130	\$ 26,000	2FALP71W1TX167354	305445
PD-0873	Police	1996	3	1999	CROWN VIC. - CRUISER	104870	\$ 26,000	2FALP71W3TX167355	174534
PD-0874	Police	1996	3	1999	CROWN VIC. - CRUISER	61540	\$ 26,000	2FALP71W5TX167356	264569
PD-0875	Police	1996	3	1999	CROWN VIC. - CRUISER	91679	\$ 26,000	2FALP71W7TX167357	263351
PD-0876	Police	1996	3	1999	CROWN VIC. - CRUISER	81099	\$ 26,000	2FALP71W9TX167358	266511
PD-0877	Police	1996	3	1999	CROWN VIC. - CRUISER	115498	\$ 26,000	2FALP71W8TX167352	265348
PD-0878	Police	1996	3	1999	CROWN VIC. - CRUISER	114586	\$ 26,000	2FALP71W6TX167351	175391
PD-DVD1	Police	1991	10	2001	PLYM ACCLAIM - DOMESTIC V	152182	\$ -	3P3XA46K4MT580714	1309663
PD-0908	Police	1998	3	2001	CROWN VIC. - CRUISER	100076	\$ 26,000	2FAFP71W3WX119405	262427
PD-0909	Police	1998	3	2001	CROWN VIC. - CRUISER	85215	\$ 26,000	2FAFP71W5WX119406	G03367
PD-0912	Police	1998	3	2001	CROWN VIC. - CRUISER	97935	\$ 26,000	2FAFP71W0WX119409	793002
PD-0913	Police	1998	3	2001	CROWN VIC. - CRUISER	88656	\$ 26,000	2FAFP71W7WX119410	G00343
PD-0925	Police	1999	3	2002	CROWN VIC. - CRUISER	69511	\$ -	2FAFP71W6XX103202	G06308
PD-0927	Police	1999	3	2002	CROWN VIC. - CRUISER	63351	\$ 26,000	2FAFP71W2XX103200	G06343
PD-0931	Police	1999	3	2002	CROWN VIC. - CRUISER	41325	\$ 26,000	2FAFP71W4XX103196	G12049
PD-0933	Police	1999	3	2002	CROWN VIC. - CRUISER	104696	\$ 26,000	2FAFP71W3XX103190	G06469
PD-0934	Police	1999	3	2002	CROWN VIC. - CRUISER	67066	\$ 26,000	2FAFP71W7XX103189	G00346
PD-0953	Police	1999	3	2002	CROWN VIC. - CRUISER	76410	\$ 26,000	2FAFP71W0XX210214	G03365
PD-0955	Police	1999	3	2002	CROWN VIC. - CRUISER	116068	\$ 26,000	2FAFP71W6XX210220	G07495
PD-0956	Police	1999	3	2002	CROWN VIC. - CRUISER	103959	\$ 26,000	2FAFP71W4XX210216	G04063
PD-0957	Police	1999	3	2002	CROWN VIC. - CRUISER	116639	\$ 26,000	2FAFP71W2XX210215	G06470
PD-0958	Police	1999	3	2002	CROWN VIC. - CRUISER	106543	\$ 26,000	2FAFP71W8XX210218	G07195
PD-0959	Police	1999	3	2002	CROWN VIC. - CRUISER	85308	\$ 26,000	2FAFP71W9XX210213	G06839
PD-0960	Police	1999	3	2002	CROWN VIC. - CRUISER	87819	\$ 26,000	2FAFP71WXX210219	G03366
PD-0964	Police	1999	3	2002	CROWN VIC. - CRUISER	92260	\$ 26,000	2FAFP71W5XX210211	G16098
PD-0965	Police	1999	3	2002	CROWN VIC. - CRUISER	76446	\$ 26,000	2FAFP71W7XX210212	G04071
PD-0971	Police	2000	3	2003	CROWN VIC. - CRUISER	109568	\$ 26,000	2FAFP71W3YX131394	G06247
PD-0989	Police	2000	3	2003	CROWN VIC. - CRUISER	113857	\$ 26,000	2FAFP71W3YX194978	G14067
PD-0991	Police	2000	3	2003	CROWN VIC. - CRUISER	80118	\$ 26,000	2FAFP71W1YX194980	G03363
PD-0992	Police	2000	3	2003	CROWN VIC. - CRUISER	96757	\$ 26,000	2FAFP71W3YX194981	G00344
PD-1009	Police	2000	3	2003	CROWN VIC. - CRUISER	44400	\$ 26,000	2FAFP71W9YX205496	G00348
PD-1014	Police	2001	3	2004	CROWN VIC. - CRUISER	52079	\$ 26,000	2FAFP71W1X197447	G03362
PD-1023	Police	2001	3	2004	CROWN VIC. - CRUISER	59358	\$ 26,000	2FAFP71W21X152310	G03359
PD-1024	Police	2001	3	2004	CROWN VIC. - CRUISER	64595	\$ 26,000	2FAFP71W31X197448	G00345
PD-1026	Police	2001	3	2004	CROWN VIC. - CRUISER	57599	\$ 26,000	2FAFP71W1X197446	G14068
PD-1028	Police	2001	3	2004	CROWN VIC. - CRUISER	49989	\$ 26,000	2FAFP71W51X197449	G00347
PD-1031	Police	2002	3	2005	FORD PICKUP F211	4850	\$ 30,000	1FTNF21L72EA12564	G00478
PD-0985	Police	2000	5	2005	CROWN VIC. - CRUISER	102393	\$ 26,000	2FAFP71W8YX188030	G02099
PD-0829	Police	1996	10	2006	CHEVY CAPRICE - 4DR	94453	\$ -	1G1BL52PXT128052	G12048
PD-0915	Police	1997	10	2007	E476 VAN	1895	\$ 20,000	1FDE147S0VHB76063	G07032
PD-0919	Police	1998	10	2008	E350 15 PASSENGER VAN	23684	\$ 20,000	1FBSS31LXWHB82821	G03371
PD-0937	Police	1999	10	2009	E243 VAN	98288	\$ 20,000	1FTNE24L0XHA30439	G09742
PD-0946	Police	1999	10	2009	E150 CARGO VAN	40096	\$ 20,000	1FTRE14W8XHB44856	G03369
PD-0974	Police	2000	10	2010	W313 ALL PURPOSE	26574	\$ 34,000	2FAFP71W31S1YEA60280	G03820
PD-0988	Police	2000	10	2010	E243 - VAN	116869	\$ 20,000	1FTNE24L2YHB76505	G03360
PD-1011	Police	2000	10	2010	FORD E39W VAN	1800	\$ -	1FCJE39L1YHB97617	G01163
PD-3357	Police	2003	10	2013	CHEVY IMPALA	0	\$ 26,000	2G1WF55K539288553	G06499
PD-3358	Police	2003	10	2013	CHEVY IMPALA	0	\$ 26,000	2G1WF55K539286754	G11456
PD-3359	Police	2003	10	2013	CHEVY IMPALA	0	\$ 26,000	2G1WF55K639291817	G06504
TR-TRL-02	Traffic	1984	15	1999	TRAILER - ?	497	\$ 2,500	W46150173	G15212
TR-TRL-03	Traffic	1984	15	1999	TRAILER - ?	0	\$ 2,500	W46150184	G10738
TR-23	Traffic	1990	12	2002	TRUCK - FORD	105885	\$ 26,000	2FDLF47G3MCA34966	G13826
TR-TRL-04	Traffic	1989	15	2004	TRAILER - NOMAMCO	0	\$ 2,500	48WU3713	G03808
TR-28	Traffic	1994	10	2004		105553	\$ 19,000	1G1BL52P3SR128974	235000819
TR-29	Traffic	1994	10	2004	CHEVOLET 4DR. SEDAN	113335	\$ 19,000	1G1B52P4SR129003	235000820
TR-27	Traffic	1994	12	2006	CHEVROLET	512	\$ 26,000	1GCFK24K2RE242270	
TR-17	Traffic	1986	20	2006	TRUCK - INT'L	36035	\$ 200,000	2HTNDHYP6GC810375	G03809
TR-26	Traffic	1994	15	2009	TRUCK - INT'L	79389	\$ 130,000	1HTSDAAR9SH651537	G03806
TR-30	Traffic	1999	12	2011	3/4 VAN	26559	\$ 19,000	1GCHG35RX1046509	235000936
TR-32	Traffic	2000	12	2012	VAN	9791	\$ 28,000	1FCJE39L21HA48039	
TR-31	Traffic	2000	12	2012	4X2 STAKEBODY	30285	\$ 40,000	1FDWF36F6YEA83918	
TR-33	Traffic	2001	12	2013	F-250 4X4 PLOW	13990	\$ 28,000	1FTNF21LX1ED52676	
TR-34	Traffic	2002	12	2014	CAB & CHASSIS 4X2	3364	\$ 26,000	1FDWF36F62EB91642	
						\$	26,000,660		

Headcount and Workspace

Total Head Count for Highway/Traffic/Building Maint: 214
 Total Office Personnel: 52

OFFICES

	No. of Offices	No. of Empl. per Office	
Executive Offices	2	2	
Cad Office 1	1	3	
Dispatcher Office	1	1	Shared by four (one at a time)
Garage office	1	2	
Inspector's Office	1	5	
Offices	12	1	
Supt. Office 1	1	2	
Supt. Office 2	1	4	

CUBICLE AREAS:

Workstations	12
Cad Stations:	4

NAME	DIVISION	OFFICE TYPE	POSITION DESCRIPTION
	Administration	Executive	DEPUTY PUBLIC WORKS DIRECTOR (29)
	Administration	Executive	PUBLIC WORKS DIRECTOR
	Administration	Office	BUSINESS SERVICE OFFICER (22)
	Administration	Office	BUSINESS SERVICE OFFICER (22)
	Administration	Office	PURCHASING AGENT (19)
	Administration	Workstation	ADMINISTRATIVE SERVICE MANAGER I (16)
	Administration	Workstation	HIGHWAY SUPPORT SPECIALIST (16)
	Administration	Workstation	ACCOUNTANT (16)
	Administration	Workstation	ACCOUNTANT II (17)
	Administration	Workstation	ACCOUNTING SPECIALIST II (12)
	Administration	Workstation	Front Desk Clerk
	Administration	Workstation	TIMEKEEPER (12)
	Administration	Workstation	TIMEKEEPER (12)
	BMD	Office	
	BMD	Office	
	BMD	Office	
	BMD	Workstation	
	BMD	Workstation	
	BMD	Workstation	
	BMD	Workstation	
	BMD	Workstation 1	
	BMD	Workstation 1	
	BMD	Workstation 1	
	BMD	Workstation 1	
	BMD	Workstation 2	
	BMD	Workstation 2	
	BMD	Workstation 2	
	Drop-off Center	Office	RECYCLING COORDINATOR (20)
	Engineering	Cad Office 1	CIVIL ENGINEER I (20)
	Engineering	Cad Office 1	CIVIL ENGINEER II (21)
	Engineering	Cad Office 1	PUBLIC UTILITIES COORDINATOR (20)

NAME	DIVISION	OFFICE TYPE	POSITION DESCRIPTION
	Engineering	Cad Station	Front Desk Clerk
	Engineering	Cad Station	ENGINEERING TECHNICIAN II (18)
	Engineering	Cad Station	ENGINEERING TECHNICIAN II (18)
	Engineering	Cad Station	ENGINEERING TECHNICIAN II (18)
	Engineering	Inspectors office 1	CIVIL ENGINEER II (21)
	Engineering	Inspectors office 1	UTILITY INSPECTOR I (17)
	Engineering	Inspectors office 1	UTILITY INSPECTOR I (17)
	Engineering	Inspectors office 1	UTILITY INSPECTOR II (19)
	Engineering	Inspectors office 1	WASTE WATER TREATMENT INSPECTOR (17)
	Engineering	Office	CHIEF OF SURVEY (21)
	Engineering	Office	CIVIL ENGINEER III (22)
	Engineering	Office	ENGINEERING MANAGER (23)
	Garage	Garage Office 1	EQUIPMENT MAINT. SUPERINTENDENT II (21)
	Garage	Garage Office 1	SHOP SUPERVISOR (19)
	Highway Const.	Dispatcher	DISPATCHER (14)
	Highway Const.	Dispatcher	DISPATCHER (14)
	Highway Const.	Dispatcher	DISPATCHER (14)
	Highway Const.	Dispatcher	DISPATCHER/EOP III LOADER (14)
	Highway Const.	Field	HIGHWAY SUPERVISOR III (17)
	Highway Const.	Supt. office 1	ASSISTANT CHIEF OF OPERATION (22)
	Highway Const.	Supt. office 1	CHIEF OF STREET OPERATIONS (24)
	Highway Const.	Supt. office 2	HIGHWAY FIELD SUPERVISOR (19)
	Sewer Maint.	Supt. office 2	SEWER SUPERINTENDENT (21)
	Solid Waste	Supt. office 2	SOLID WASTE SUPERINTENDENT (21)
	Street Maint.	Supt. office 2	HIGHWAY SUPERVISOR III (17)
	Traffic	Office	
	Traffic	Office	
	Traffic	Workstation	Front Desk Clerk
	Traffic	Workstation	Sign Painter

NOTES: Workstation 1 means that all the employees with that designation will use the same workstation
Office 1 means that all the employees with that designation will use the same office
Likewise with any other setting followed by a number.

FIELD PERSONNEL:

Boiler Plant	Field	BOILER PLANT OPERATOR (16)
Carpenter Shop	Field	MAINTENANCE MECHANIC (14)
Carpenter Shop	Field	MAINTENANCE MECHANIC (14)
Carpenter Shop	Field	PUBLIC WORKS FACILITIES SUPERVISOR (17)
Drop-off Center	Field	DROP OFF FACILITY SUPERVISOR (17)
Drop-off Center	Field	SCALE OPERATOR (12)
Engineering	Field	SURVEY INSTRUMENT PERSON (15)
Engineering	Field	SURVEY INSTRUMENT PERSON (15)
Engineering	Field	SURVEY PARTY CHIEF (17)
Engineering	Field	SURVEY PARTY CHIEF (17)
Engineering	Field	SURVEY ROD PERSON (12)
Engineering	Field	SURVEY ROD PERSON (12)
Garage	Field	EQUIPMENT MECHANIC I (16)
Garage	Field	EQUIPMENT MECHANIC II (17)
Garage	Field	EQUIPMENT MECHANIC II (17)
Garage	Field	EQUIPMENT MECHANIC II (17)
Garage	Field	EQUIPMENT MECHANIC II (17)
Garage	Field	EQUIPMENT MECHANIC II (17)
Garage	Field	EQUIPMENT MECHANIC II (17)
Garage	Field	EQUIPMENT MECHANIC II (17)

NAME	DIVISION	OFFICE TYPE	POSITION DESCRIPTION
	Garage	Field	EQUIPMENT MECHANIC II (17)
	Garage	Field	EQUIPMENT MECHANIC II (17)
	Garage	Field	EQUIPMENT MECHANIC II (17)
	Garage	Field	EQUIPMENT MECHANIC II (17)
	Garage	Field	EQUIPMENT SERVICE TECHNICIAN I
	Garage	Field	EQUIPMENT SERVICE TECHNICIAN I
	Garage	Field	EQUIPMENT SERVICE TECHNICIAN I
	Garage	Field	EQUIPMENT SERVICE TECHNICIAN II
	Garage	Field	INVENTORY SPECIALIST
	Garage	Field	INVENTORY SPECIALIST
	Highway Const.	Field	EQUIPMENT OPERATOR II ROLL (13)
	Highway Const.	Field	EQUIPMENT OPERATOR II TRK (13)
	Highway Const.	Field	EQUIPMENT OPERATOR II TRK (13)
	Highway Const.	Field	EQUIPMENT OPERATOR II TRK (13)
	Highway Const.	Field	EQUIPMENT OPERATOR II TRK (13)
	Highway Const.	Field	EQUIPMENT OPERATOR II TRK (13)
	Highway Const.	Field	EQUIPMENT OPERATOR II TRK (13)
	Highway Const.	Field	EQUIPMENT OPERATOR II TRK (13)
	Highway Const.	Field	EQUIPMENT OPERATOR II TRK (13)
	Highway Const.	Field	EQUIPMENT OPERATOR II TRK (13)
	Highway Const.	Field	EQUIPMENT OPERATOR II TRK (13)
	Highway Const.	Field	EQUIPMENT OPERATOR II TRK (13)
	Highway Const.	Field	EQUIPMENT OPERATOR II TRK (13)
	Highway Const.	Field	EQUIPMENT OPERATOR III CRANE (14)
	Highway Const.	Field	EQUIPMENT OPERATOR III LOADER (14)
	Highway Const.	Field	EQUIPMENT OPERATOR III LOADER (14)
	Highway Const.	Field	EQUIPMENT OPERATOR III LOADER (14)
	Highway Const.	Field	EQUIPMENT OPERATOR III PAVER (14)
	Highway Const.	Field	EQUIPMENT OPERATOR III ROLLER (14)
	Highway Const.	Field	EQUIPMENT OPERATOR IV BACKHOE (15)
	Highway Const.	Field	EQUIPMENT OPERATOR IV GRADER (15)
	Highway Const.	Field	EQUIPMENT OPERATOR IV GRADER (15)
	Highway Const.	Field	EQUIPMENT OPERATOR V SHOVEL (16)
	Highway Const.	Field	EQUIPMENT OPERATOR V TRAILER (16)
	Highway Const.	Field	LABORER (10)
	Highway Const.	Field	LABORER (10)
	Highway Const.	Field	LABORER (10)
	Highway Const.	Field	LABORER (10)
	Highway Const.	Field	LABORER (10)
	Highway Const.	Field	LABORER (10)
	Highway Const.	Field	PUBLIC SERVICE WORKER II (13)
	Highway Const.	Field	PUBLIC SERVICE WORKER II (13)
	Highway Const.	Field	PUBLIC SERVICE WORKER II (13)
	Sewer Maint.	Field	HIGHWAY SUPERVISOR III (17)
	Sewer Maint.	Field	ASSISTANT SEWER SUPERINTENDENT (19)
	Sewer Maint.	Field	EQUIPMENT OPERATOR II TRK (13)
	Sewer Maint.	Field	EQUIPMENT OPERATOR III LOADER (14)
	Sewer Maint.	Field	EQUIPMENT OPERATOR III VACTOR (14)
	Sewer Maint.	Field	EQUIPMENT OPERATOR III VACTOR (14)
	Sewer Maint.	Field	EQUIPMENT OPERATOR V SHOVEL (16)
	Sewer Maint.	Field	HIGHWAY SUPERVISOR I (15)
	Sewer Maint.	Field	HIGHWAY SUPERVISOR II (16)
	Sewer Maint.	Field	LABORER (10)
	Sewer Maint.	Field	PUBLIC SERVICE WORKER I (12)

NAME	DIVISION	OFFICE TYPE	POSITION DESCRIPTION
	Sewer Maint.	Field	PUBLIC SERVICE WORKER I (12)
	Sewer Maint.	Field	PUBLIC SERVICE WORKER I (12)
	Sewer Maint.	Field	PUBLIC SERVICE WORKER II (13)
	Sewer Maint.	Field	PUBLIC SERVICE WORKER II (13)
	Sewer Maint.	Field	PUBLIC SERVICE WORKER II (13)
	Sewer Maint.	Field	PUBLIC SERVICE WORKER II (13)
	Sewer Maint.	Field	PUBLIC SERVICE WORKER III (14)
	Sewer Maint.	Field	PUBLIC SERVICE WORKER III (14)
	Sewer Maint.	Field	PUBLIC SERVICE WORKER III (14)
	Solid Waste	Field	EQUIPMENT OPERATOR III
	Solid Waste	Field	REFUSE COLLECTOR (12)
	Solid Waste	Field	REFUSE COLLECTOR (12)
	Solid Waste	Field	REFUSE COLLECTOR (12)
	Solid Waste	Field	REFUSE COLLECTOR (12)
	Solid Waste	Field	REFUSE COLLECTOR (12)
	Solid Waste	Field	REFUSE COLLECTOR (12)
	Solid Waste	Field	REFUSE COLLECTOR (12)
	Solid Waste	Field	REFUSE COLLECTOR (12)
	Solid Waste	Field	REFUSE COLLECTOR (12)
	Solid Waste	Field	REFUSE COLLECTOR (12)
	Solid Waste	Field	REFUSE COLLECTOR (12)
	Solid Waste	Field	REFUSE COLLECTOR (12)
	Solid Waste	Field	REFUSE COLLECTOR (12)
	Solid Waste	Field	REFUSE COLLECTOR (12)
	Solid Waste	Field	REFUSE COLLECTOR (12)
	Solid Waste	Field	REFUSE COLLECTOR (12)
	Solid Waste	Field	REFUSE COLLECTOR (12)
	Solid Waste	Field	REFUSE COLLECTOR (12)
	Solid Waste	Field	REFUSE TRUCK DRIVER (14)
	Solid Waste	Field	REFUSE TRUCK DRIVER (14)
	Solid Waste	Field	REFUSE TRUCK DRIVER (14)
	Solid Waste	Field	REFUSE TRUCK DRIVER (14)
	Solid Waste	Field	REFUSE TRUCK DRIVER (14)
	Solid Waste	Field	REFUSE TRUCK DRIVER (14)
	Solid Waste	Field	REFUSE TRUCK DRIVER (14)
	Solid Waste	Field	REFUSE TRUCK DRIVER (14)
	Solid Waste	Field	REFUSE TRUCK DRIVER (14)
	Solid Waste-temp	Field	LABORER TEMP (10)
	Solid Waste-temp	Field	LABORER TEMP (10)
	Solid Waste-temp	Field	LABORER TEMP (10)
	Solid Waste-temp	Field	LABORER TEMP (10)
	Solid Waste-temp	Field	LABORER TEMP (10)
	Solid Waste-temp	Field	LABORER TEMP (10)
	Solid Waste-temp	Field	LABORER TEMP (10)
	Solid Waste-temp	Field	LABORER TEMP (10)
	Solid Waste-temp	Field	LABORER TEMP (10)
	Street Maint.	Field	HIGHWAY SUPERVISOR III (17)
	Street Maint.	Field	EQUIPMENT OPERATOR II ROLL (13)
	Street Maint.	Field	EQUIPMENT OPERATOR II TRK (13)
	Street Maint.	Field	EQUIPMENT OPERATOR II TRK (13)
	Street Maint.	Field	EQUIPMENT OPERATOR II TRK (13)

NAME	DIVISION	OFFICE TYPE	POSITION DESCRIPTION
	Street Maint.	Field	EQUIPMENT OPERATOR IV BACKHOE (15)
	Street Maint.	Field	HIGHWAY SUPERVISOR I (15)
	Street Maint.	Field	HIGHWAY SUPERVISOR II (16)
	Street Maint.	Field	LABORER (10)
	Street Maint.	Field	LABORER (10)
	Street Maint.	Field	LABORER (10)
	Street Maint.	Field	LABORER (10)
	Street Maint.	Field	LABORER (10)
	Street Maint.	Field	LABORER (10)
	Street Maint.	Field	PUBLIC SERVICE WORKER I (12)
	Street Maint.	Field	PUBLIC SERVICE WORKER I (12)
	Street Maint.	Field	PUBLIC SERVICE WORKER II (13)
	Street Maint.	Field	PUBLIC SERVICE WORKER II (13)
	Street Sweeper	Field	HIGHWAY SUPERVISOR III (17)
	Street Sweeper	Field	EQUIPMENT OPERATOR III SWEEPER (14)
	Street Sweeper	Field	EQUIPMENT OPERATOR III SWEEPER (14)
	Street Sweeper	Field	EQUIPMENT OPERATOR III SWEEPER (14)
	Traffic	Field	Sign Supervisor
	Traffic	Field	Maint. Worker II
	Traffic	Field	Maint. Worker I
	Traffic	Field	Signal Tech Supervisor
	Traffic	Field	Signal Tech.
	Traffic	Field	Parking Meter Supervisor
	Traffic	Field	Traffic Meter Tech.